

REPORT

OF THE

County Medical Officer of Health

For the Year ended December 31st, 1953



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Introduction

*To the Chairman and Members
of the County Health Committee.*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health Services in the Administrative County of Cheshire for the year 1953.

The birth rate for the year was very slightly above that for 1952 and the death rate slightly lower. The number of deaths from cancer of all forms was the highest on record, as also was the number of deaths from cancer of the respiratory organs.

It is pleasing, however, to draw attention, firstly to the exceedingly low infantile mortality rate of 24.1 deaths of infants under the age of one year per 1,000 live births, secondly the deaths from pregnancy, childbirth and abortion which totalled 7 out of 12,397 live and still-births, and thirdly the number of deaths from tuberculosis which fell to 104 representing a considerable drop even from the notably low figure of the previous year.

Notifications of non-pulmonary tuberculosis have dropped to a new low level; this rapidly decreasing incidence has not been followed by notifications of the pulmonary type, which are altering very little from year to year, except in their age distribution, as the proportion of notifications of childhood pulmonary tuberculosis is still increasing. The County Council has now decided to extend the scheme for B.C.G. vaccination of child contacts to cover school leavers throughout the country. Through the co-operation of the Education Committee and the teachers this work is being done in the schools, and the high proportion of parents who have consented to the testing and vaccination of their children shows that there is a strong public consciousness of the need for this service. It will be noted that, for the first time, the incidence of pulmonary tubercular disease had been greater amongst children than that of non-pulmonary disease.

The new clinic centres at Cheadle, Weaverham, Stalybridge and Little Sutton are already in use, the Hoylake centre will shortly be occupied for clinical work, and the new hostel for the rehabilitation of tuberculous men at Wrenbury Hall will be opened in the very near future. It is hoped that the co-operation of the Ministry of Labour in the work being done at Wrenbury Hall will result in further development of the means of restoring these men to full earning capacity.

It has been found necessary to close the day nurseries at Cheadle and Northwich because of insufficient attendances.

The process of establishing occupation centres for mentally defectives has continued with the opening of a centre at Altrincham. This is a large building which will accommodate defectives not only from Altrincham, Sale and neighbouring towns, but also from the Mid-Cheshire area. Adaptations are proceeding at Macclesfield and suitable premises have been secured at Hyde and Crewe. When these last two centres are in use it is considered that the needs of those mentally defective children living at home and suitable for occupation centre training will be met. Particulars of the admissions of defectives to hospitals are given in the section of this Report dealing with Mental Health. It is desired once again to acknowledge with thanks the ready assistance invariably given by the Regional Hospital Boards, particularly in the admission of defectives for short periods, to assist parents at times of family crisis. Attention is drawn to the increased proportion of mentally ill patients seeking treatment voluntarily at mental hospitals.

To meet certain anomalies in the assessment of charges for domestic help services, a new county scale has been issued, designed to secure equitable payments from all classes of the community.

The work of the Ambulance and Transport Service is still expanding. It is hoped that the building of the new Ellesmere Port depot will soon begin. The Runcorn ambulance service, which had previously been in the hands of a contractor, has now been taken over by the County Council as a direct service; this contractor had provided ambulance transport at reasonable cost for many years in this division and I must express appreciation of his work over so long a period.

Through the help of the Executive Council, arrangements are in force for medical practitioners to use health visitors to assist them in the care and treatment of their patients.

The transfer of the work of distributing what are known as Welfare Foods to the priority classes entitled to them from the Ministry of Food to the County Health Department was carried through last July without causing inconvenience to the public. The principle was adopted of providing a service as efficient and accessible as had been provided by the Ministry of Food, and despite the short time available in which to organise the change-over, a full complement of staff, voluntary and paid, was available on the appointed day to operate the 170 distribution points required to cover the whole county. My grateful thanks are due to the voluntary workers who give their time to this useful work.

The work of the National Institute for the Blind in placing blind persons in employment in open industry has been recognised by the payment of a greatly increased grant for this purpose.

The death of Mr. Melling, for so many years County Analyst, has taken away from the Health Services a man who by his untiring and careful work and his cheerful and energetic personality had established an immense reputation. His passing is keenly regretted.

My grateful thanks are due to the Chairman and Members of the County Health Committee and to the other members of the County Council for their unfailing help and support to me on all occasions.

I also record my sincere thanks to the Clerk of the County Council, to the various Heads of Departments and to their staffs for their willing and helpful co-operation throughout the year.

I acknowledge with gratitude and thanks the conscientious and hard work done by all the staff of the Health Department and the loyalty and good feeling invariably shown by them towards me.

I beg to remain,

Your obedient servant,

ARNOLD BROWN.

29th October, 1954.

Staff of the Public Health Department

County Medical Officer of Health and Principal School Medical Officer.	Arnold Brown, M.B., Ch.B., D.P.H.
Deputy County Medical Officer of Health	B. G. Gretton-Watson, M.A., M.B., B.Ch., D.P.H.
Senior Medical Officer for Maternity and Child Welfare	B. M. Butters, M.A., M.B., Ch. B., D.P.H.
Senior Assistant School Medical Officer	H. Craig, L.R.C.P. & S., L.R.F.P.S.
Assistant County Medical Officers	R. A. Blyth, M.B., Ch.B., M.R.C.S., L.R.C.P. Ena Cant, M.B., Ch.B. R. Cargill, M.B., Ch.B. R. J. Clark, M.B., Ch.B., D.P.H. Jenny Craig, M.B., Ch.B., D.P.H. Hilda Dean, M.R.C.S., L.R.C.P. Aitolia English, M.R.C.S., L.R.C.P., M.B., B.S., D.C.H. Barbara Jones, M.B., Ch.B. Christina Laing, M.B., Ch.B., D.P.H. D. W. J. O'Neill, M.R.C.S., L.R.C.P. Alta Stout, M.B., Ch.B. Jessie Tough, M.B., Ch.B., D.P.H. Gladys Wilkinson, M.R.C.S., L.R.C.P.
Divisional Medical Officers	
<i>Altrincham</i>	D. Longbottom, M.B., Ch.B., D.P.H.
<i>Bebington</i>	D. O. Macdonald, M.B., Ch.B., D.P.H., R.C.P.S.
<i>Cheadle and Wilmslow</i>	D. G. Anderson, M.B., Ch.B., D.P.H.
<i>Crewe</i>	D. G. Crawshaw, M.B., M.R.C.S., D.C.H., D.P.H.
<i>Deeside</i>	J. Hatton, M.D., D.P.H.
<i>Hyde</i>	F. W. C. Brown, M.D., D.P.H.
<i>Macclesfield</i>	H. R. Dugdale, M.B., Ch.B., D.P.H.
<i>Mid-Cheshire</i>	W. S. Slater, M.B., M.R.C.S., D.P.H.
<i>Nantwich</i>	R. K. Hay, M.D., B.Ch., B.A.O., D.P.H.
<i>N. E. Cheshire</i>	T. W. Brindle, M.B., Ch.B., D.P.H.
<i>Runcorn</i>	E. N. H. Gray, L.R.C.P. & S., L.M., D.P.H.
<i>Sale and Lymm</i>	A. T. Burn, M.B., B.S., D.P.H.
<i>S. E. Cheshire</i>	L. Rich, M.B., Ch.B., M.R.C.O.G., D.P.H.
<i>S. W. Cheshire</i>	W. J. Birchall, M.B., M.R.C.S., L.R.C.P., D.P.H.
<i>Stalybridge and Dukinfield</i>	T. Holme, M.B., Ch.B., D.P.H.
County Analyst	J. G. Sherratt, F.R.I.C.

Dental Surgeons

H. R. Parry, L.D.S. (Principal).
 Edith Andrew, L.D.S.
 J. B. Andrew, B.D.S., R.C.S.
 E. Bradley, L.D.S.
 D. M. Dodd, L.D.S.
 H. Foulkes, L.D.S., R.C.S. (Eng.).
 E. C. Griffin, L.D.S.
 A. F. Hely, C.B., L.D.S.
 R. H. Hurst, L.D.S.
 H. Jackson, L.D.S.
 Lisbeth Kippen, L.D.S., D.P.D.
 J. Lancashire, L.D.S.
 A. N. Leicester, B.D.S.
 F. C. Littleton, L.D.S.
 Muriel Manwood, L.D.S. (pt.-time).
 H. P. Meek, L.D.S.
 J. S. O'Brien, L.D.S.
 Ruth Owen, L.D.S.
 E. S. Poulter, L.D.S.
 J. A. Reece, L.D.S.
 H. W. S. Sheasby, L.D.S.
 W. L. Tatloek, L.D.S.
 E. J. Taylor, L.D.S.
 Margaret Taylor, B.D.S. (pt.-time).
 Dorothy Walker, L.D.S.

Ophthalmic Surgeons
(Part-time)

B. Boas, M.D.
 P. J. Devlin, M.B., Ch.B., D.O.M.S.
 A. Holmes-Smith, M.A., M.B., B.Chir.,
 D.O.M.S.
 C. Jacobs, M.D., M.B., B.S.
 E. Riley, M.B., Ch.B., D.O.M.S.
 L. R. C. Rose, L.M.S.S.A., D.O.
 Dorothy Simmons, M.B., Ch.B.

Orthopaedic Surgeons
(Part-time)

J. C. F. Cregan, M.B., B.S., F.R.C.S.
 T. Jackson, M.R.C.S., L.R.C.P.
 J. L. Mangan, F.R.C.S.I.
 K. Marks, M.Ch., F.R.C.S.
 A. G. O'Malley, M.Ch., F.R.C.S.
 G. T. Partridge, M.A., M.B., F.R.C.S.
 H. Poston, M.B., B.Ch., B.A.O.
 R. Roaf, M.A., F.R.C.S.
 I. W. Winchester, M.Ch., F.R.C.S.
 M. E. Winston, F.R.C.S.

Paediatrician (Part-time)

J. D. Allan, M.D., F.R.C.P.

Ear, Nose and Throat
Surgeons (Part-time)

E. M. Innes, F.R.C.S., D.L.O.
 G. A. Moulden, M.B., Ch.B., D.L.O.

Chest Physicians
(Part-time)

J. Black, M.D., F.R.F.P.S., M.R.C.P.
 D. L. Caldwell, M.A., M.R.C.P.
 A. Fleming, M.B., Ch.B., D.P.H.
 A. C. C. Hughes, B.A., M.R.C.P.
 E. R. Smith, M.D., Ch.B., D.P.H.
 D. W. C. Tough, M.B., Ch.B., D.P.H.

Chief Administrative Assistant

B. O'Connor, M.A.

County Sanitary Officer

F. Humphries.

Supt. Authorised Officer

J. Danby.

Superintendent of Home Nursing

Miss I. N. Vaughan.

Non-Medical Supervisor of
Midwives

Miss A. M. Reynolds.

Assistant Superintendent of
Home Nursing

Miss E. Johnson.

HEALTH VISITORS & SCHOOL NURSES (103)

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 1a. Miss J. Briscoe, Broomfield, Meols Drive, Hoylake	Hoylake-cum-West Kirby (Meols, Hoose & Central Wards)	Welfare Centre, Broomfield, Meols Drive, Thurs. p.m. Hoylake, M.A. Clinic, Broomfield, Meols Drive, Mon., Wed., Thurs., Fri. a.m. Hoylake Eye Clinic, Broomfield, Meols Drive, Hoylake 1st & 3rd Fri. p.m. Ante-Natal Clinic, Broomfield, Meols Drive, Tues. a.m. Hoylake
DISTRICT No. 1b. Mrs. D. Christian, 87, Palm Grove, Oxtou, Birkenhead (Tel. Birkenhead 4702)	Grange Hoylake-cum-West Kirby (Park & South Wards)	Welfare Centre, Parish Hall, West Kirby Fri. p.m. Ante-Natal Clinic, Broomfield, Meols Drive, Tues. a.m. Hoylake
DISTRICT No. 2a. Mrs. V. R. Blades,* 17, Leighton Road, Tranmere, Birkenhead (Tel. Birk. 1839)		Welfare Centre, Plymyard, Eastham Mon. p.m. (Tel. Eastham 1336) Welfare Centre, Victoria Hall, Hr. Bebington Tues. p.m. (Tel. Mountwood 1527) Welfare Centre, New Ferry Park, Wed. p.m. (Tel. R. F. 1143) Welfare Centre, Council Offices, Bromborough Thurs. p.m. (Tel. Brom. 2102) Welfare Centre, Mayer Hall, Bebington Fri. p.m. (Tel. R. F. 1440) Ante and Post Natal Clinic, New Ferry Park Mon. & Fri. a.m.
Miss B. Shepherd,* 13, Probyn Road, Wallasey (Tel. Wallasey 1060)	Bebington M.B. (Woodhey & Hr. Bebington Wards)	Welfare Centre, Victoria Hall, Hr. Bebington Tues. p.m. Ante and Post Natal Clinic, New Ferry Park Fri. a.m.
Mrs. E. Symes,* Flat 7, Windy Knowe, Waterford Road, Oxtou, Birkenhead (Tel. Birk. 1706)	Bebington M.B. (Poulton Ward)	Ante and Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, Women's Institute, Thornton 1st and 3rd Fri. p.m. Hough Eye Clinic, St. Mark's Parish Room, New Fri. a.m. Ferry
Miss E. Nicholson,* Rotherwood (Flat 6), Mill Road, Hr. Bebington (Tel. Mountwood 1949)	Bebington M.B. (Bebington & Sunlight Wards)	Ante & Post Natal Clinic, New Ferry Park Fri. a.m. Welfare Centre, Mayer Hall, Bebington Fri. p.m.
Miss E. Wright,* 539, Old Chester Road, Birkenhead	Bebington M.B. (Eastham Ward)	Ante & Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, Plymyard Eastham Mon. p.m. Toddlers' Centre, Plymyard, Eastham 3rd Fri. p.m.
Miss R. Abraham,* 21, Rock Park, Rock Ferry (Tel. R.F. 728)	Bebington M.B. (N. & S. Bromborough Wards)	Ante & Post Natal Clinic, New Ferry Park Fri. a.m. Welfare Centre, Council Offices, Bromborough Thurs. p.m. M.A. Clinic, Council Offices, Bromborough 1st Tues. a.m.
Mrs. E. Binyon,* 264, Spital Road, Bromborough (Tel. Brom. 1151)	Bebington M.B. (Park & New Ferry Wards)	Ante & Post Natal Clinic, New Ferry Park Mon. a.m. Welfare Centre, New Ferry Park Wed. p.m.
Mrs. D. Bushell, † 6, Brelade Road, Liverpool, 13.	† Visits Schools in Bebington M.B.	M.A. Clinic, St. Mark's Parish Room, New Mon. to Fri. p.m. Ferry (Tel. R.F. 1213)

*These Health Visitors also attend on rota the clinics listed opposite.

Eye Clinic, New Ferry Park
3rd Sat. a.m.
E.N.T. Clinic, New Ferry Park
Monthly Sat. a.m.
Sun-Ray Clinic, New Ferry Park
Tues. & Fri. p.m.
Toddlers' Centre, New Ferry Park
2nd Thurs. p.m.

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 2b. Miss E. L. Roberts, 23, Penmon Drive, Heswall Wirral	Burton Capenhurst Ledsham Ness	Neston-cum-Parkgate Puddington Shotwick Willaston Woodbank
		Welfare Centre, Mellock Lane, Neston <i>Thurs. p.m.</i> (Tel. Neston 2189) M.A. Clinic, Mellock Lane, Neston <i>Tues. a.m.</i> Eye Clinic, Mellock Lane, Neston <i>1st. Wed. a.m.</i> Ante-Natal Clinic, Mellock Lane, Neston <i>Mon. a.m.</i> Welfare Centre, Red Cross Depot, Willaston <i>1st & 3rd Fri. p.m.</i> Midwives' Clinic, Mellock Lane, Neston <i>2nd & 4th Fri. p.m.</i>
DISTRICT No. 2c. Mrs. E. G. Sinden, Gayton Grange (Flat 5), Well Lane, Gayton, Wirral (Tel. Heswall 2706)	Irby Pensby Thurstaston	Welfare Centre, Methodist Hall, Mill Hill <i>Wed. p.m.</i> Road, Irby Ante-Natal Clinic, Telegraph Rd., Heswall <i>Thurs. a.m.</i> Welfare Centre, Telegraph Rd., Heswall <i>Mon. p.m.</i>
DISTRICT No. 2d. Miss M. Okill, 241, Pensby Road, Heswall, Wirral	Barnston Gayton Heswall-cum-Oldfield	Welfare Centre, Telegraph Rd., Heswall <i>Mon. p.m.</i> (Tel. Heswall 3551) M.A. Clinic, Telegraph Rd., Heswall <i>Tues. p.m.</i> Eye Clinic, Telegraph Rd., Heswall <i>2nd & 4th Fri. p.m.</i> Ante-Natal Clinic, Telegraph Rd., Heswall <i>Thurs. a.m.</i> Paediatric Clinic, Telegraph Rd., Heswall <i>Tues. p.m.</i>
DISTRICT No. 2e. Miss D. Maybury, 149, Heath Road, Bebington (Tel. Mountwood 3254)	Caldy Frankby Greasby	Welfare Centre, Methodist Church Hall, <i>Tues. p.m.</i> Greasby Ante-Natal Clinic, Mellock Lane, Neston <i>Mon. a.m.</i>
DISTRICT No. 3a. Miss C. G. McKee,* 12, Thamesdale, Ellesmere Port (Tel. E. P. 2542) Miss E. H. Marston, 23, Glan Aber Park, Hough Green, Chester (Tel. Chester 23679) Miss W. Jones, Lyle Villas, Caergwrle, Nr. Wrexham Miss M. L. Bate,* Waterdale, 86, Chester Road, Ellesmere Port (Tel. E. P. 9) Miss J. F. Fawcett, 52, Princes Boulevard, Bebington (Tel. Rock Ferry 4544) Miss K. E. Cawthorn,* 19, Kirket Lane, Bebington	Ellesmere Port U.D. (N.W. & N.E. Wards) Ellesmere Port U.D. (Victoria & Grange (Pt.) Wards) Ellesmere Port U.D. (South & Whitby Wards) Ellesmere Port U.D. (Ince & Stanney Wards) Ellesmere Port U.D. (Gt. Sutton, L. Sutton, and Childer Thornton Wards) Ellesmere Port U.D. (Overpool & Grange (Pt.) Wards)	Welfare Centre, York Road, Ellesmere Port <i>Tues. & Fri. p.m.</i> (Tel. E. Port 328) Ante-Natal Clinic, York Road, Ellesmere Port <i>Wed. p.m. & Fri. a.m.</i> M.A. Clinic, York Road, Ellesmere Port <i>Mon.—Fri. a.m.</i> Ante-Natal Clinic, York Road, Ellesmere Port <i>2nd & 4th Wed. p.m.</i> Welfare Centre, York Road, Ellesmere Port <i>Tues. p.m.</i> Welfare Centre, York Road, Ellesmere Port <i>Fri. p.m.</i> E.N.T. Clinic, York Road, Ellesmere Port <i>Alt. Mon. a.m.</i> Ante Natal Clinic, York Road, Ellesmere Port <i>Fri. a.m.</i> Welfare Centre, York Road, Ellesmere Port <i>Tues. p.m.</i> Ante Natal Clinic, York Road, Ellesmere Port <i>Wed. p.m. & Fri. a.m.</i> Welfare Centre, Village Hall, Ince <i>2nd & 4th Thurs. p.m.</i> Welfare Centre, Chester Road, Little Sutton <i>Mon. p.m.</i> M.A. Clinic, Chester Road, Little Sutton <i>Fri. a.m.</i> Midwives' Clinic, Chester Road, Little Sutton <i>Thurs. p.m.</i> Ante-Natal Clinic, York Road, Ellesmere Port <i>1st, 3rd & 5th Wed. p.m.</i> Welfare Centre, Community Centre, Overpool <i>1st & 3rd Thurs. p.m.</i> Eye Clinic, York Road, Ellesmere Port <i>Fri., a.m.</i> Ante-Natal Clinic, York Road, Ellesmere Port <i>Wed., p.m.</i> M.A. Clinic, York Road, Ellesmere Port <i>Mon.—Thurs. u.m.</i>

* These health visitors also attend on rota the clinic listed opposite

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 3b,

Miss D. Toft,
The Oaks Lodge,
Upton,
Chester
Tel. Chester 236381)

Aldford
Buerton
Chester Castle
Christleton
Churton Heath
Claverton
Dodleston
Eaton
Eccleston
Golthorne Bellow
Golthorne David
Handley
Huntington
Kinnerton
Lea Newbold
Marlston
Newton-by-T'hal
Poulton
Pulford
Rowton
Saughton
Tattenhall

Welfare Centre, Barbour Institute, Tattenhall
1st & 3rd Mon. p.m.
Welfare Centre, Village Hall, Huntington
2nd & 4th Wed. p.m.
M.A. Clinic, Barbour Institute, Tattenhall
3rd & 5th Wed p.m. 1st., 2nd & 4th
Wed. a.m.

DISTRICT No. 4a

Miss B. Jackson,
30, Acres Lane,
Upton,
Chester

Barrow
Bridge Trafford
Dunham-on-the-
Hill
Elton
Great Boughton
Guilden Sutton
Hapsford
Hoole Village
Littleton
Little Stanney
Mickle Trafford
Picton
Stoke
Thornton-le-
Moors
Wimbolds
Trafford

School Clinic, 55, Hoole Road, Chester
1st Mon. a.m.
Eye Clinic, 55, Hoole Road, Chester
1st Fri. p.m.
Welfare Centre, Village Hall, Barrow
1st & 3rd Wed. p.m.

DISTRICT No. 4b.

Miss M. G. E. Crawford,
8a, Ahbots Grange,
Chester

Bache
Backford
Caughall
Chorlton-by-
Backford
Croughton
Lea-by-Backford
Mollington
Moston
Saughall
Shotwick Park
Upton
Wervin

Welfare Centre, Village Hall, Upton
Thurs. p.m.
Welfare Centre, Vernon Institute, Saughall
1st, 3rd & 5th Mon. p.m.

DISTRICT No. 5

Miss M. Gourlay,
Castle View,
Clotton Lane,
Huxley,
Chester

Ashton
Beeston
Bruen Stapleford
Burton-by-Tarvin
Clotton Hoofield
Cotton Abbotts
Cotton Edmunds
Delamere
Duddon
Eaton
Foulk Stapleford
Hatton
Hockenhull
Hor.on-cum-Peel
Huxley
Iddinshall
Kelsall
Mouldsworth
Pryor's Heys
Rushton
Tarporley
Tarvin
Tilstone Fearnall
Tiverton
Utkinton
Waverton
Willington

Welfare Centre, Victory Hall, Tarporley.
2nd & 4th Thurs. p.m.
Welfare Centre, Parish Hall, Kelsall
1st & 3rd Tues. p.m.
M.A. Clinic, Victory Hall Tarporley.
Fri. a.m.
Welfare Centre, Radcliffe's Hut, Tarvin
2nd & 4th Wed. p.m.
Eye Clinic, Victory Hall, Tarporley
4th Fri. p.m.

DISTRICT No. 6

Mrs. J. Bittern,
Kingsbridge Mount,
Daleside,
Upton,
Chester

Agden
Aldersey
Barton
Bickerton
Bickley
Bradley
Broxton
Burwardsley
Caldecott
Carden
Chidlow
Chorlton
Chowley
Church Shocklach
Churton-by-Al'd
Ch'rtun-by-F'don
Clutton
Coddington
Crewe
Cuddington
Duckington
Edge
Edgerley
Egerton
Farndon
Grafton
Hampton
Harthill
Horton
Kings Marsh
Larkton
Macafen
Malpas
Newton-by-
Malpas
Oldcastle

Welfare Centre, Parish Hall, Malpas
1st & 3rd Mon. p.m.
M.A. Clinic, Jubilee Hall, Malpas
Thurs. p.m.
Welfare Centre, Memorial Hall, Farndon
1st & 3rd Tues. p.m.

Overton
Shocklach Oviatt
Stockton
Stretton
Threapwood
Tilston-by-Malpas
Tushingham
Wigland
Wychough

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 7a. Miss H. K. Coventry, 11, Weston Crescent, Runcorn	Runcorn U.D. (Halton Ward)		Welfare Centre, 34, Halton Road, Runcorn <i>Wed. a.m.</i> (Tel. Runcorn 2449) Ante and Post Natal Clinic, 34, Halton Road, <i>Thurs. a.m.</i> Runcorn Welfare Centre, 34, Halton Road, Runcorn <i>Wed. p.m.</i> Eye Clinic, 28, Halton Road, Runcorn <i>2nd & 4th Tues. p.m.</i> (Tel. Runcorn 3621) Welfare Centre, 34, Halton Road, Runcorn <i>Wed. a.m.</i> M.A. Clinic, 28, Halton Road, Runcorn <i>Tues. & Fri. a.m. Thurs. p.m.</i> Paediatric Clinic, Memorial Hospital, Runcorn <i>Wed. p.m.</i> Welfare Centre, 34 Halton Road, Runcorn <i>Wed. p.m. & 2nd Mon. a.m.</i> M.A. Clinic, 28, Halton Road, Runcorn <i>Mon. p.m.</i> Ante- & Post-Natal Clinic, 34, Halton Road, <i>Thurs. a.m.</i> Runcorn Eye Clinic, 28, Halton Road, Runcorn <i>1st & 3rd Tues. p.m.</i>
Mrs. E. Briers, 17, Cornwall Avenue, Runcorn	Runcorn U.D. (Heath Ward (pt. i) and Weston Ward)		
Miss A. Davies, 3, Cornwall Street, Runcorn	Runcorn U.D. (Heath Ward (part ii) and Newtown Ward)		
Mrs. J. Delaney, 16, Nicholas Avenue, Ditton, Widnes, Lancs.	Runcorn U.D., (Bridgewater, Central & Mersey Wards)		
DISTRICT 7b. Miss S. E. Robinson, 23, Weston Crescent, Runcorn	Aston Daresbury Dutton Halton Hatton Kingsley Moore	Norley Norton Preston Brook Sutton Walton Whitley	Welfare Centre, The Rock, Frodsham <i>Alt. Tues. p.m.</i> Welfare Centre, Hurst Church Hall, Kingsley <i>2nd & 4th Wed. p.m.</i>
DISTRICT No. 8. Miss R. Potter, 262, Padgate Lane, Padgate, Warrington	Alvanley Frodsham Helsby	Manley	Welfare Centre, The Rock, Frodsham <i>Alt. Tues. p.m.</i> (Tel. Frodsham 2388) M.A. Clinic, The Rock, Frodsham <i>Thurs. p.m.</i> Eye Clinic, The Rock, Frodsham <i>4th Thurs. a.m.</i> E.N.T. Clinic, The Rock, Frodsham <i>Odd months 3rd Fri. a.m.</i> Welfare Centre, Cable Works, Helsby <i>Alt. Tues. p.m.</i>
DISTRICT No. 9a Miss D. Williams, Darland House, Winnington Hill, Northwich (Tel. Northwich 4643)	Acton Anderton Barnton Comberbach Crowton	Great Budworth Little Leigh Marbury	M.A. Clinic, Methodist Church, Barnton <i>Wed. a.m.</i> Welfare Centre, Meth. Church, Barnton <i>2nd & 4th Wed. p.m.</i> Welfare Centre Parish Hall, Comberbach <i>1st & 3rd Wed. p.m.</i> Welfare Centre, Church Lane, Weaverham <i>Tues. p.m.</i>
DISTRICT No. 9b. Mrs. J. Bleazard, Cartref, West Road, Weaverham, Northwich (Tel. Weaverham 2330)	Weaverham		Welfare Centre, 23, Church Lane, Weaverham <i>Tues. p.m.</i> (Tel. Weav. 3177) M.A. Clinic, 23, Church Lane, Weaverham <i>Fri. a.m.</i> Eye Clinic, 23, Church Lane, Weaverham <i>3rd Fri. p.m.</i>
DISTRICT No. 10. Miss D. Parkinson, 131, Walnut Avenue, Weaverham, Northwich	Allstock Aston-by-Bud'th Bexton, Goostrey Marston Mere Nether Peover	Peover Inferior Pickmere Plumley Tabley Inferior Tabley Superior Wincham	Welfare Centre, The Institute, Lower Peover <i>2nd & 4th Mon. p.m.</i> Eye Clinic, Parkfield, Northwich <i>1st, 2nd & 3rd Thurs. a.m.</i> Welfare Centre, Social Club, Goostrey <i>1st & 3rd Tues. p.m.</i>
Miss H. M. Dawson, Bollin Grove, Prestbury, Macclesfield	Knutsford U.D. Ollerton Peover Superior Toft		Welfare Centre, County Offices, Bexton Rd. <i>2nd & 4th Wed. p.m.</i> Knutsford M.A. Clinic, County Offices, Bexton Road, <i>Wed. a.m.</i> Knutsford (Tel. Knutsford 273) Eye Clinic, County Offices, Bexton Rd., <i>3rd. Thurs. p.m.</i> Knutsford Welfare Centre, Parish Room, Over Peover <i>1st & 3rd Mon. p.m.</i> Midwives' Clinic, Bexton Road, Knutsford <i>2nd & 4th Mon. p.m.</i>

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 11. Miss A. McDonald, 131, Walnut Avenue, Weaverham, Northwich.	Northwich U.D. (Witton and Northwich Wards)	Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i> Welfare Centre, Parkfield, Northwich <i>Thurs. p.m.</i> Paediatric Clinic, Darland House, Northwich <i>4th Mon. p.m.</i>
Miss A. Bullough Darland House, Winnington Hill, Northwich	Northwich U.D. (Castle and Winnington Wards)	M.A. Clinic, Darland House, Northwich <i>Tues. & Fri. a.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i> Welfare Centre, Darland House, Northwich <i>Tues. p.m.</i> M.A. Clinic, Darland House, Northwich <i>2nd Fri. p.m.</i>
DISTRICT 12a, Mrs. M. T. H. Twigg, 7, St. Leonards Drive, Timperley, Altrincham	Lach Dennis Lostock Gralam Rudheath Whatcroft	M.A. Clinic, Parkfield, Northwich <i>Mon., Wed., Fri. & 1st Thurs. a.m.</i> Welfare Centre, Parkfield, Northwich <i>Thurs. p.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i>
DISTRICT No. 12b. Miss P. Holt, Ivy House, Dunham Town, Altrincham	Cuddington Hartford	Welfare Centre, Community Centre, Delamere Park, Cuddington <i>1st. & 3rd. Wed. p.m.</i> E.N.T. Clinic, Parkfield, Northwich <i>2nd. Fri. a.m.</i> Welfare Centre, Meth. Chapel, Hartford <i>2nd & 4th Tues. p.m.</i> Ante-Natal Clinic, Parkfield, Northwich <i>Mon. p.m.</i> Welfare Centre, Church Hall, Sandiway <i>1st & 3rd Tues. p.m.</i>
DISTRICT No. 13a Miss G. W. Johnson, Highfield, Swanlow Lane, Winsford	Winsford U.D. (Vale Royal & Wharton Wards) Darnhall Marton Davenham Moulton Little Budworth Oakmere	Welfare Centre, 98, Weaver Street, Winsford <i>Fri. & 1st Thurs. p.m. (Tel. Winsford 2387)</i> Welfare Centre, Church Hall, Moulton <i>3rd Wed. p.m.</i> Welfare Centre, Methodist Church, Davenham <i>1st Mon. p.m.</i> Eye Clinic, 98, Weaver Street, Winsford <i>1st & 3rd Thurs. a.m.</i>
DISTRICT No. 13b. Miss J. M. Gassick, 471, Chester Road, Hartford, Nr. Northwich (Tel. Sandiway 2040)	Winsford U.D. (Gravel, Over & Swanlow Wards)	Welfare Centre, 98, Weaver Street, Winsford <i>Fri. & 1st Thurs. p.m.</i> M.A. Clinic, 98, Weaver Street, Winsford <i>Mon. Wed. & Fri. a.m.</i> E.N.T. Clinic, 98, Weaver Street, Winsford <i>2nd Wed. p.m.</i>
DISTRICT No. 14. Miss G. Williams, 85, Wheelock Street, Middlewich (Tel. Midd. 165)	Middlewich U.D. Sproston Bostock Stanthorne Byley Tetton Church Hulme Wimboldsley Crannage	Welfare Centre, 85, Wheelock Street, Middle- <i>Mon. p.m.</i> wich M.A. Clinic, 85, Wheelock Street, Middlewich <i>Mon., Wed. & Fri. a.m.</i> Eye Clinic, 85, Wheelock Street, Middlewich <i>3rd Tues. p.m.</i> E.N.T. Clinic, 85, Wheelock Street, Middle- <i>Even months 4th Thurs. a.m.</i> wich Welfare Centre, Victoria Hall, Holmes <i>2nd & 4th Tues. p.m.</i> Chapel
DISTRICT No. 15. Miss E. M. Scott, The Dowery, Barker Street, Nantwich	Nantwich U.D. (Barony, Wellington and Willaston Wards) Alraham Leighton Aston-juxta Minshull Vernon Mondrum Poole Calveley Wardle Cholmondeston Warmingham Church Minshull Wettenhall Henhull Woolstanwood Worleston	Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m.</i> (Tel. Nantwich 5360) M.A. Clinic, The Dowery, Nantwich <i>Mon.—Fri. a.m.</i> Eye Clinic, The Dowery, Nantwich <i>2nd & 4th Thurs. a.m.</i>

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 16a Mrs. F. G. Kirkham, St. Bees, Marsh Lane, Nantwich	Nantwich U.D. (Weaver Ward) Acton Austerson Baddiley Baddington Batherton Brindley Broomhall Bulkeley Bunbury Burland Cholmondeley Chorley Coole Pilate Edleston	Faddiley Haughton Hurleston Marbury Norbury Peckforton Ridley Sound Spurstow Stapeley Stoke Wirswall Woodcott Wrenbury	Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m.</i>
DISTRICT No. 16b. Miss D. Griffiths, The Gables, Audlem, Crewe	Audlem Basford Blakenhall Bridgemere Buerton Checkley-cum- Wrinchill Chorlton Dodcott-cum- Wilkesley Doddington	Hankelow Hatherton Hough Hunsterson Lea Newhall Rope Shavington Walgherton Weston Wybunbury	Welfare Centre, Wesleyan Chapel, Audlem <i>1st and 3rd Tues. p.m.</i> Welfare Centre, Church Hall, Shavington <i>2nd & 4th Tues. p.m.</i>
DISTRICT No. 16c. Miss R. Walch, Wychdale, Colleys Lane, Willaston, Nantwich	Willaston Wistaston		Welfare Centre, Memorial Hall, Church Lane, <i>2nd. & 4th. Wed. p.m.</i> Wistaston Paediatric Clinic, Stalbridge Rd., Crewe <i>1st Fri. p.m.</i>
DISTRICT No. 17a Miss P. Percival, 3, Newton Terrace, St. Anne's Road, Middlewich	Barthomley Church Lawton	Crewe (Rural) Haslington Odd Rode	Welfare Centre, Yoxall Institute, Haslington <i>2nd & 4th Tues. p.m.</i> Welfare Centre, Parish Hall, Odd Rode <i>2nd & 4th Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>1st & 3rd Wed. p.m.</i> Mow Cop Welfare Centre, The Institute, Rode Heath <i>1st & 3rd Mon. p.m.</i> E.N.T. Clinic, Marriott House, Sandbach <i>4th Fri. a.m.</i>
DISTRICT No. 17b Miss A. Mullany§ The Dowery, Barker Street, Nantwich Miss B. Price, § c/o 29, Lawton St., Crewe Mrs. L. M. D. Atkinson,* The Bungalow, Goodalls Corner, Shavington Miss E. Broom,* 10, Clifton Avenue, Crewe Miss J. S. Reid,* 199, Edleston Road, Crewe	Crewe M.B. (South District) Crewe M.B. (Central District) Crewe M.B. (East District) Crewe M.B. (North Central District) Crewe M.B. (West & Coppenhall District)		Paediatric Clinic, Ludford Street, Crewe <i>3rd Fri. p.m.</i> (Tel. Crewe 2376) E.N.T. Clinic, Ludford Street, Crewe <i>3rd Fri. a.m.</i> Child Welfare Clinic, Ludford Street, Crewe <i>Thurs. a.m. & p.m.</i> M.A. Clinic, Ludford Street, Crewe <i>Mon. & Wed. a.m.</i> Ante & Post Natal Clinic, Ludford Street, <i>Wed. p.m.</i> Crewe Eye Clinic, Ludford Street, Crewe <i>Wed. a.m.</i> Child Welfare Clinic, Stalbridge Road, Crewe <i>Mon. p.m. & Wed. a.m.</i> (Tel. Crewe 2450) M.A. Clinic, Stalbridge Road, Crewe <i>Tues. a.m.</i> Eye Clinic, Stalbridge Road, Crewe <i>As required</i> Paediatric Clinic, Stalbridge Road, Crewe <i>1st Fri. p.m.</i> Ante and Post Natal Clinic, Stalbridge Road, <i>Thurs. p.m.</i> Crewe

*These Health Visitors also attend on rota the four other Clinics listed opposite.

§ These Health Visitors also attend the Clinics listed opposite.

CIVIL PARISHES			CENTRES & CLINICS
DISTRICT No. 17c. Miss E. G. Smith, 56, Primrose Road, Haslington, Crewe	Alsager U.D. Betchton	Hassall Smallwood	Welfare Centre, St. Mary's Sunday School, 1st, 3rd & 5th Tues. p.m. Alsager M.A. Clinic, 15, Centre Court, Alsager Mon.-Thurs. a.m., Fri. p.m. (Tel. Alsager 628) E.N.T. Clinic, 15, Centre Court, Alsager 2nd Mon. p.m. Eye Clinic, 15, Centre Court, Alsager 1st Thurs. p.m.
DISTRICT No. 18a. Miss M. A. Cowley, Parkfield, Middlewich Road, Northwich	Antrobus Appleton	Grappenhall Stretton	Welfare Centre, Methodist Sunday School, Tues. p.m. Grappenhall Welfare Centre, Parish Hall, Antrobus 1st & 3rd Wed. p.m.
DISTRICT No. 18b. Miss M. Newbold, 62, Fairfield Gardens, Stockton Heath, Warrington	Stockton Heath		Welfare Centre, 65, Whitefield Road, Stockton Mon. p.m. Heath (Tel. S.H. 925) M.A. Clinic, 65, Whitefield Road, Stockton Mon.-Fri. a.m. Heath Eye Clinic, 65, Whitefield Road, Stockton 4th Tues. p.m. Heath
DISTRICT No. 19 Miss F. L. Govan, 29, Eagle Brow, Lymm, Warrington	Lymm U.D. Carrington High Legh	Partington Warburton	Welfare Centre, 29, Eagle Brow, Lymm Tues. p.m. (Tel Lymm 277) Welfare Centre, St. Mary's Institute, 1st & 3rd Thurs p.m. Partington M.A. Clinic, 29, Eagle Brow, Lymm Mon.-Fri. a.m., 2nd & 4th Wed. p.m. Eye Clinic, 29, Eagle Brow, Lymm 4th Thurs. p.m.
DISTRICT No. 20. Mrs. E. Heywood,* 647, Altrincham Road, Northenden, Manchester	Sale M.B. (St. Martin's & Mersey Wards)		Welfare Centre, 70, Chapel Road, Sale Tues. & Thurs. p.m. M.A. Clinic, 70, Chapel Road, Sale Mon. Tues. & Wed. a.m.
Miss H. Wingfield,* 70, Chapel Road, Sale, Manchester (Tel. Sale 1329)	Sale M.B. (St. Anne's & Sale Moor Wards)		M.A. Clinic, 70, Chapel Road, Sale Wed. a.m. Welfare Centre, Community Centre, Sale Thurs. p.m. Moor Sun-ray Clinic, 70, Chapel Road, Sale Mon. & Fri. p.m.
Mrs. M. L. Baker, 20, Delahays Road, Hale, Altrincham.	Sale M.B. (St. Paul's & St. John's Wards)		Welfare Centre, 70, Chapel Road, Sale Tues. & Thurs. p.m. Ante and Post Natal Clinic, 70, Chapel Road, 1st, 3rd & 4th Wed. p.m. Sale
Miss B. Cunliffe,* 76, Harboro' Road, Sale, Manchester	Sale M.B. (St. Mary's & Brooklands Wards)		M.A. Clinic, 70, Chapel Road, Sale Mon., Thurs. & Fri. a.m. Welfare Centre, Raglan Road, Sale 1st & 3rd Tues. p.m. E.N.T. Clinic, 70, Chapel Road, Sale 2nd Thurs. p.m. Eye Clinic, 70, Chapel Road Sale Mon., a.m. Toddlers' Centre, 70, Chapel Road, Sale 2nd Wed. p.m.
*These Health Visitors also attend on rota the Clinics opposite.			
DISTRICT No. 21a. Miss E. Edwards, Top Flat, 1, Hawthorn Road, Hale, Altrincham	Hale U.D. (North, Central & West Wards) Ashley		M.A. Clinic, 9, Broomfield Lane, Hale (Tel. Alt. 4653) Mon. & Fri. p.m., Wed. a.m. Welfare Centre, 9, Broomfield Lane, Hale 2nd-5th Wed. p.m. Ante-Natal Clinic, 9, Broomfield Lane, Hale 1st Wed. p.m. Eye Clinic, 9, Broomfield Lane, Hale Tues. a.m.
Miss A. Milvenan, 1, Bollin Court, Bowdon, Altrincham	Bowdon U.D. Hale U.D. (Hale Ringway	Barns Ward) Rostherne Tatton	Welfare Centre, Methodist Schoolroom, 2nd & 4th Thurs. p.m. Bowdon Welfare Centre, 9, Broomfield Lane, Hale 2nd-5th Wed. p.m. Ante-Natal Clinic, 9, Broomfield Lane, Hale 1st Wed. p.m. Welfare Centre, Unitarian School Room, Hale 1st & 3rd Thurs. p.m. Barns

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 21b.

Miss L. E. H. Tripp,
Sampford Brett,
Wainwright Road,
Altrincham

(Tel. Alt. 1884)

Mrs. J. M. Wild,
6, Gibwood Road,
Northenden,
Manchester

(Tel. Wythenshaw 3732)

Miss G. E. Berry,
12, Nethercroft Road,
Timperley,
Altrincham

Miss D. Whitworth,
6, Wilton Street,
Prestwich,
(Tel. Pre. 1185) Lancs.

Altrincham M.B.
(Dunham & North Wards)
Agden Dunham Massey
Bollington Millington

Altrincham M.B.
(East, Central & South West
Wards)

Altrincham M.B.
(Timperley No. 1 & No. 3 Wards)

Altrincham M.B.
(Timperley No. 2 & No. 4 Wards)

M.A. Clinic, 12, The Mount, Altrincham
Mon. & Tues. a.m. (Tel. Alt. 1733)
Welfare Centre, 12, The Mount, Altrincham
Wed. p.m.

Ante & Post Natal Clinic, 12, The Mount,
1st & 3rd Fri. p.m. Altrincham

Welfare Centre, 12, The Mount, Altrincham
Mon. p.m., Wed. a.m.

E.N.T. Clinic, 12, The Mount, Altrincham
1st Thurs. a.m.

M.A. Clinic, 12, The Mount, Altrincham
Fri. a.m.

Ante-Natal Clinic, 145, Park Rd., Timperley
1st & 3rd Mon. a.m. (Tel. Sale 6639)

Welfare Centre 145, Park Road, Timperley
Tues. p.m., Thurs. a.m. & p.m.

M.A. Clinic 145, Park Rd., Timperley
Wed. a.m.

Welfare Centre, 145, Park Road, Timperley
Tues. a.m. & p.m., Thurs. p.m.

DISTRICT No. 22a

Mrs. M. Bell,
3, Alma Lane,
Wilmslow,
Manchester

(Tel. Wilmslow 2635)

Alderley Edge U.D.
Wilmslow U.D. Chorley
(Hough Great Warford
Ward Marhall
Mobberley)

Welfare Centre, 3, Alma Lane, Wilmslow
Thurs. p.m.

Welfare Centre, Victory Hall, Mobberley
Alternate Tues. p.m.

Welfare Centre, Church Institute, Alderley
Fri. p.m. Edge

E.N.T. Clinic, 3, Alma Lane, Wilmslow
Even months 4th Wed. p.m.

DISTRICT No. 22b

Mrs. B. E. Crosby,
27, Earle Road,
Bramhall,
Stockport

Wilmslow U.D.
(Styal and Handforth Wards)
Hazel Grove and Bramhall U.D.
(Woodford and South Wards)

Welfare Centre, Methodist Sunday School,
1st & 3rd Mon. p.m. Bramhall

Welfare Centre, Conserv. Women's Club,
2nd & 4th Mon. p.m. Handforth

DISTRICT No. 22c

Miss D. M. Bowers,
1, Albany Road,
Wilmslow,
Manchester

Wilmslow U.D.
(Dean Row, Fulshaw and
Morley Wards)

Welfare Centre, 3, Alma Lane, Wilmslow
Thurs. p.m.

M.A. Clinic, 3, Alma Lane, Wilmslow
Tues. & Thurs. a.m.

Eye Clinic, 3 Alma Lane, Wilmslow
1st Tues. p.m.

DISTRICT No. 23a

Miss M. Spencer,
2, Elm Drive,
Macclesfield

Bosley
Chelford
Eaton
Gawsworth
Henbury
Hulme Walfield
Marton
Mottram-St.-
Andrew
North Rode

Nether Alderley
Over Alderley
Prestbury
Siddington
Somerford
Somerford Booths
Snelson
Swettenham
Twemlow
Withington

Welfare Centre, Wellington Road, Bollington
1st & 3rd Wed. p.m. (Tel. Boll. 2376)

DISTRICT No. 23b.

Miss M. D. Watson,
6a, Elm Drive
Macclesfield
(Tel. Macc. 2105)

Macclesfield M.B.
(Central District)

Welfare Centre, Sanders Sq., Macclesfield
Thurs. p.m. (Tel. Macc. 3800)

Welfare Centre, 52, Bridge Street, Macclesfield
(Tel. Macc. 5501)

2nd, 3rd, 4th & 5th Tues. p.m., Mon. p.m.

Fri. p.m.

Ante-Natal Clinic, 52, Bridge Street, Maccles-
1st & 3rd Wed. p.m. field

Welfare Centre, Sanders Square, Macclesfield
Thurs. & Fri. p.m.

Ante-Natal Clinic, Sanders Square, Maccles.
4th Wed. p.m.

M.A. Clinic, Sanders Square, Macclesfield
Mon. & Thurs. a.m.

Ante-Natal Clinic, Hurdsfield House, Macc.
2nd Wed. p.m. (Tel. Macc. 3282)

Ante-Natal Clinic, 52, Bridge Street, Macc.
1st or 3rd Wed. p.m.

Miss F. M. Yates,
17, Newhall Street,
Macclesfield

Macclesfield M.B.
(South West District)

CIVIL PARISHES

CENTRES & CLINICS

District No. 23b(cont.) Miss A. Grills, Springfield (Flat 3), Byron's Lane, Macclesfield	Macclesfield M.B. (North East District)	Welfare Centre, Hurdsfield House, Macclesfield Thurs. p.m., 1st Tues. p.m. Ante-Natal Clinic, Hurdsfield House, Macc. 2nd Wed. p.m. Welfare Centre, 52, Bridge Street, Macc. 2nd, 3rd, 4th & 5th Tues. p.m. Ante-Natal Clinic, Sanders Square, Macc. 4th Wed. p.m. Ante-Natal Clinic, 52, Bridge Street, Macc. 1st or 3rd Wed. p.m. Welfare Centre, Sanders Square, Macclesfield Alt. Fri. p.m. Ante-Natal Clinic, 52, Bridge Street, Macc. 1st & 3rd Wed. p.m. Welfare Centre, 52, Bridge Street, Macc. Mon. & Fri. p.m. M.A.Clinic, Pierce Street, Macclesfield (Tel. Macc. 3053) 1st Mon. p.m., Tues & Fri. a.m., Thurs. p.m. Eye Clinic, Pierce Street, Macclesfield 1st Mon. p.m., 1st, 3rd & 4th Tues. p.m. 4th Thurs. a.m. E.N.T. Clinic, Pierce Street, Macclesfield 1st Fri. a.m. Welfare Centre, Hurdsfield House, Macc. Thurs. p.m., 1st Tues. p.m. Ante-Natal Clinic, Hurdsfield House, Macc. 2nd Wed. p.m. M.A. Clinic, Pierce Street, Macclesfield 2nd, 3rd, 4th & 5th Mon. p.m. & Wed. a.m. Welfare Centre, Sanders Square, Macclesfield Alt. Fri. p.m. Ante-Natal Clinic, Sanders Square, Macc. 4th Wed. p.m. Welfare Centre, 52, Bridge Street, Macc. 1st Mon. p.m., 2nd Tues. p.m.
Miss T. Martin, 52, Bridge Street, Macclesfield	Macclesfield M.B. (North West District)	
Miss N. R. Williams, Ivy Cottage, Snelson, Chelford, Macclesfield	Macclesfield M.B. (South East District)	
There is also a part-time School Nurse, Mrs. P. Swindells, 63, Byron Street, Macclesfield		
DISTRICT No. 24 Miss L. Jacks, Abbey Croft, Abbey Road, Sandbach	Sandbach U.D. Brereton Arclid Elton Bradwall	Welfare Centre, Marriott House, Sandbach Tues. p.m. (Tel. Sandbach 309) M.A. Clinic, Marriott House, Sandbach Wed. p.m., 1st, 2nd, 3rd & 5th Fri. a.m. & 4th Fri. p.m. Eye Clinic, Marriott House, Sandbach 2nd 3rd & 4th Mon. p.m.
DISTRICT No. 25 Miss G. F. Finger, 12, West Street, Congleton (Tel. Congleton 169) Miss E. Foster, Brentor, Lower Heath, Congleton	Congleton M.B. (Buglawton & South Wards) Moreton-cum-Alcumlow Newbold Astbury Congleton M.B. (North & West Wards)	Welfare Centre, 12, West Street, Congleton Mon. p.m. Ante-Natal Clinic, 12, West Street, Congleton Fri. p.m. M.A. Clinic, Park Street, Congleton Mon.—Fri. a.m. (Tel. Cong. 2095) Eye Clinic, Park Street, Congleton 2nd Wed. p.m. E.N.T. Clinic, Park Street, Congleton Odd months 4th Thurs. a.m. Welfare Centre, 12, West Street, Congleton Mon. p.m.
DISTRICT No. 26a Mrs. M. B. Batty, 14, Parrswood Court, Manchester, 20	Cheadle and Gatley U.D. (Cheadle Hulme and Adswold Wards)	M.A. Clinic, All Saints' Parish Room, Cheadle Wed. p.m., Fri. a.m. Hulme Welfare Centre, All Saints' Parish Room, Alt. Tues. p.m. Cheadle Hulme Welfare Centre, Mission Hall, Adswold 1st & 3rd Mon. p.m. Ante-Natal Clinic, Brookfield, Wilmslow Road, Fri. p.m. Cheadle Eye Clinic, All Saints' Parish Room, Cheadle As required Hulme
DISTRICT No. 26b. Miss W. C. Heron, 83, Turves Road, Cheadle Hulme	Cheadle and Gatley U.D. (Cheadle Wards)	M.A. Clinic Brookfield, Wilmslow Road Mon., Wed. and Fri. a.m. Cheadle Welfare Centre, Brookfield, Wilmslow Road, Tues. p.m. Cheadle E.N.T. Clinic, Brookfield, Wilmslow Road, Even months 3rd Mon. p.m. Cheadle Eye Clinic, Brookfield, Wilmslow Road, 2nd & 3rd Thurs. a.m. Cheadle

CIVIL PARISHES

CENTRES & CLINICS

DISTRICT No. 26c Miss N. Heenan, 146, Edgeley Road, Cheadle Heath, Stockport	Cheadle and Gatley U.D. (Gatley & Heald Green Wards)	Welfare Centre, Methodist Church, Heald 1st & 3rd Thurs. p.m. Green Ante-Natal Clinic, Brookfield, Wilmslow Road, Fri. p.m. Cheadle Welfare Centre, Cong. Sunday School, 2nd & 4th Thurs. p.m. Gatley
DISTRICT No. 27. Miss G. M. Bullough, 5, Seymour Road, Mile End, Stockport (Tel. Stepping Hill 4378)	Hazel Grove and Bramhall U.D. (North & East Wards)	Welfare Centre, 253, London Road, Hazel Tues. p.m. Grove M.A. Clinic, 253, London Road, Hazel Grove Tues. a.m., (Tel. Stepping Hill, 3022) Ante-Natal Clinic, 253, London Road, Hazel Wed. p.m. Grove Eye Clinic, 253, London Road, Hazel Grove 1st & 4th Thurs. a.m. E.N.T. Clinic, 253, London Road, Hazel Grove Even months, 3rd Thurs. a.m. Immunisation Clinic, 253, London Road, 2nd Thurs. a.m. Hazel Grove
DISTRICT No. 28. Miss M. R. Adamson, 34, Swanscoe Avenue, West Bollington, Macclesfield	Bollington U.D Hurstfield Macclesfield Forest	Rainow Sutton Wildboarclough Windle Welfare Centre, Wellington Road, Bollington (Tel. Boll. 2376) 2nd & 4th Thurs., 1st & 3rd Wed. p.m. M.A. Clinic, Wellington Road, Bollington Tues. a.m. Welfare Centre, Lane Ends Club, Sutton 2nd & 4th Wed. p.m. Eye Clinic, Wellington Road, Bollington 2nd Tues. p.m. E.N.T. Clinic, Wellington Road, Bollington Odd months 1st. Fri. p.m.
DISTRICT No. 29a. Miss S. Morris, 100, Wellington Road North, Stockport	Bredbury and Romiley U.D. (Bredbury Area)	Welfare Centre, Lower Bent's Lane, Bredbury 1st Tues. p.m., 2nd—5th Tues. a.m. & p.m. M.A. Clinic, Lower Bent's Lane, Bredbury Thurs. a.m. (Tel. Woodley 2892) Ante-Natal Clinic, Lower Bent's Lane, Mon. p.m. Bredbury Eye Clinic, Lower Bent's Lane, Bredbury 2nd Thurs. a.m.
DISTRICT No. 29b Mrs. A. D. Law 5, Jubilee Street, New Mills, Stockport	Bredbury and Romiley U.D. (Romiley, Compstall and Woodley Areas)	Welfare Centre, Leyfield Avenue, Romiley Thurs. p.m. (Tel. Woodley 2891) M.A. Clinic, Leyfield Avenue, Romiley Mon. p.m. Immunisation Clinic, Leyfield Ave., Romiley 1st Thurs. a.m.
DISTRICT No. 29c. Miss S. A. Watson* 4, Hartshead Avenue, Stalybridge Miss B. F. Sherratt,* Ashdene Leafield Road, Disley, Stockport Miss D. P. Flint, 6, Greenbank Road, Marple Bridge, Stockport Miss C. Makin, 212, Astley Street, Dukinfield	Stalybridge M.B. (Lancashire Ward) Stalybridge M.B. (Staley Ward) Stalybridge M.B. (Millbrook Ward) Stalybridge M.B. (Dukinfield Ward)	Welfare Centre, Mechanics' Institute, Tues. & Wed. p.m. Stalybridge (Tel. Stalybridge 2304) Welfare Centre, Mechanics' Institute, Tues. & Wed. p.m. Stalybridge Eye Clinic, Mechanics' Institute, Stalybridge 2nd, 3rd, & 4th Tues. a.m. Welfare Centre, Huddersfield Rd., Millbrook, Mon. p.m. Stalybridge M.A. Clinic, Mechanics' Institute, Stalybridge Mon., Wed. & Fri. a.m. Welfare Centre, Mechanics' Institute, Wed. p.m. Stalybridge Welfare Centre, Huddersfield Rd., Millbrook, Mon. p.m. Stalybridge Ante and Post Natal Clinic, Mechanics' Institute, Stalybridge 2nd, 3rd & 4th Thurs. p.m.
DISTRICT No. 30 11, Shaw Hall Avenue, Hyde Mrs. H. M. Thomas, 2, St. Luke's Crescent, Dukinfield	Dukinfield M.B. (Central and West Wards) Dukinfield M.B. (Central and West Wards)	Welfare Centre, King Street, Dukinfield Wed. a.m. & p.m., Thurs. p.m. (Tel. Ashton 3794) M.A. Clinic, King Street, Dukinfield Mon., Tues., & Fri. a.m., Wed. & Thurs. p.m. Eye Clinic, King Street, Dukinfield 1st, 2nd & 4th Fri. p.m. E.N.T. Clinic King Street, Dukinfield, 4th Mon. p.m.

* These health visitors also take on rota the other clinic opposite.

	CIVIL PARISHES	CENTRES & CLINICS
DISTRICT No. 30 (cont.) Miss W. G. Grimstone, Rockville, Cote Green Road, Marple Bridge, Stockport	Dukinfield M.B. (East Ward)	Welfare Centre, King Street, Dukinfield <i>Wed. a.m. & p.m., Thurs. p.m.</i>
DISTRICT No. 31a. Miss D. Wood, 8, Marina Drive, Rose Hill, Marple, Stockport	Longdendale U.D. Tintwistle R.D.	Welfare Centre, Wedneshaugh Green, <i>1st & 3rd Thurs. p.m.</i> Hollingworth M.A. Clinic, Wedneshaugh Green, <i>Tues. p.m.</i> Hollingworth Welfare Centre, Christ Church School, <i>2nd & 4th Thurs. p.m.</i> Tintwistle Welfare Centre, Wesleyan School, <i>1st & 3rd Wed. p.m.</i> Broadbottom Immunisation Clinic, Wedneshaugh Green, <i>2nd Mon. p.m.</i> Hollingworth
DISTRICT No. 31b. Miss F. Lonsdale,* Woodhaven, Woodend Lane, Hyde (Tel. Hyde 739) Miss M. E. Marsh* Thornbank, Motttram Road, Hyde (Tel. Hyde 160) Miss N. P. M. Trahan,* 212, Astley Street, Dukinfield (Tel. Ashton 1689) Miss M. Taylor,* 1, Erskine Road, Blackley, Manchester, 9	Hyde M.B. (Godley Ward pt. i) Hyde M.B. (Newton Ward pt. i) Hyde M.B. (Godley Ward pt. ii, Newton Ward pt. iii) Hyde M.B. (Werneth Ward, Newton Ward pt. ii)	Welfare Centre, Parsonage Street, Hyde <i>Wed. p.m.</i> (Tel. Hyde 828) Ante-Natal Clinic, Parsonage Street, Hyde <i>1st & 3rd Thurs. a.m.</i> Welfare Centre, Parsonage Street, Hyde <i>Thurs. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Fri. p.m.</i> (Tel. Hyde 265) Welfare Centre, Parsonage Street, Hyde <i>Wed. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Mon. p.m.</i> Welfare Centre, Parsonage Street, Hyde <i>Thurs. p.m.</i> Specialist's Eye Clinic, Reform Club, Hyde <i>1st & 3rd Mon. p.m.</i> D.M.O.'s Eye Clinic, Reform Club, Hyde <i>2nd & 4th Tues. a.m.</i> M.A. Clinic, Reform Club, Hyde <i>Mon., Wed. & Fri. a.m.</i> (Tel. Hyde 689)
*These Health Visitors also attend on rota the other Clinic opposite.		
DISTRICT No. 32a. Mrs. S. Dickson, Bute House, Marple Bridge, Stockport (Tel. Marple 177)	Marple U.D. (Ludworth, Mellor & North Wards)	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>2nd & 4th Thurs. p.m.</i> Marple Bridge Welfare Centre, Methodist Sunday School, <i>1st & 3rd Thurs. p.m.</i> Mellor
DISTRICT No. 32b. Miss B. Brewster, Spout House Farm, Strines, Stockport (Tel. Marple 1494)	Marple U.D. (Cent. & South Wards) Disley R.D.	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Conservative Club, High Lane <i>Alt. Tues. p.m.</i> Welfare Centre, Gleneil House, Disley <i>Alt. Tues. p.m.</i> (Tel. Disley 62) M.A. Clinic, Parish Hall, Marple <i>Wed. a.m.</i> Eye Clinic, Parish Hall, Marple <i>3rd Thurs. a.m.</i>
DISTRICT No. 33. Miss F. E. Kilbourn, Edendale, Buxton Road, Newtown, New Mills, Stockport	Adlington Kettleshulme Lyme Handley	Pott Shrigley Poynton Welfare Centre, Park Lane, Poynton <i>1st & 3rd Thurs. p.m.</i> (Tel. Poynton 2127) M.A. Clinic, Park Lane, Poynton <i>Tues. p.m.</i> E.N.T. Clinic, Park Lane, Poynton <i>Even months, 3rd Wed. p.m.</i> Eye Clinic, Park Lane, Poynton <i>Even months, 2nd Thurs. p.m.</i>

HOME NURSES (151)

(Those marked * practise Midwifery)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>
Acton	Mrs. C. Carroll*	The Grove, Acton, Nantwich	Nantwich 5571
Adlington	Miss K. A. Wheeler*	Sunshine Cottage, Butley Lane, Adlington, Macclesfield	Prestbury 8360
Alderley	Mrs. E. Gornall*	Nurse's Cottage, Monksheath, Chelford, Macclesfield	Chelford Relief 216
Alderley Edge	Miss M. M. Hatton*	Holly Croft, Row of Trees, Alderley Edge, Manchester	Alderley Edge 3364
Aldford	Mrs. D. Mellor*	Nurse's Cottage, Aldford, Chester	Aldford 37
Alsager	Mrs. E. Weatherall	27, Cresswellshawe Road, Alsager, Stoke on Trent	Alsager 67
Altrincham	Miss D. Kershaw	61, Harcourt Road, Altrincham	Altrincham 2550
	Miss W. M. Barber*	53, Oxford Road, Altrincham	Altrincham 0138
	Miss S. J. Cullinan	4, Eldercroft Road, Timperley	Ringway 2912
	Miss E. Moores*	Kilrea, Market St., Altrincham	Altrincham 2051
	Mrs. F. B. Grayson	38, Langdale Road, Sale	Sale 3843
Ashton	Miss M. McClement-Williams*	District Nurse's Home, Smithy Lane, Mouldsworth, Chester	Manley 268
Ashton-on-Mersey	Miss B. Kitchen	13, Harcourt Road, Sale, Manchester	Sale 5764
Astbury	Miss V. Spencer*	Black & White Cottage, Astbury, Congleton	Congleton 451
Audlem	Miss M. H. Hunter*	The Gables, Audlem, Crewe	
Barnston	Miss A. M. Jones*	Watmough, Pensby Road, Thingwall, Birkenhead	Irby 1496
Barnton	Miss M. Fitton*	5, Cross Street, Barnton, Northwich	Northwich 4080
Barrow	Miss G. Jones*	Minniffordd, High Street, Tarvin, Chester	Tarvin 240
	Miss B. Walker	Minniffordd, High Street, Tarvin, Chester	Tarvin 240
Bebington	Miss L. Cullum	1, New Chester Road, New Ferry	Rock Ferry 4095
Bickerton	Miss A. Jones*	24, Mill Grove, Bulkeley, Malpas	Cholmondeley 217
Bollington	Miss A. Barlow*	13, Waterhouse Avenue, Bollington, Macclesfield	Bollington 3179
	Mrs. M. Wood	Ingersley Vale Cottages, Bollington Macclesfield	Bollington 3204
Bramhall	Miss N. D. Entwistle*	81, Ack Lane, Bramhall, Stockport	Bramhall 2377
	Mrs. M. C. Hallett*	Gresford, Moor Lane, Woodford, Stockport	Bramhall 1012
Bredbury	Mrs. L. Parker*	13, George Lane, Bredbury Stockport	Woodley 2754
		13, George Lane, Bredbury, Stockport	Woodley 2754
Bromborough	Miss F. Baughan	27, Queensbury Avenue, Brom- borough, Wirral	Bromborough 1037
	Mrs. A. Thompson	41, Heygarth Road, Eastham, Wirral	Eastham 1647
Buglawton	Miss M. S. Bowman*	4, High Lowe Avenue, Buglawton, Congleton	Congleton 444
Bunbury	Mrs. E. C. Hurst*	Coniston, Bunbury, Tarporley	Bunbury 367
Burton	Miss M. Jones*	Pear Tree Cottage, Burton, Wirral	Burton 230
Castle, Northwich	Miss M. A. Higgs*	37, Park Street, Northwich	Northwich 4041

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Cheadle	Mrs. W. Wareing*	6, Waldon Avenue, Cheadle, Cheshire	Gatley	3904
		6, Waldon Avenue, Cheadle, Cheshire	Gatley	3904
Cheadle	Miss C. Maher*	58, Ladybridge Road, Cheadle Hulme, Stockport	Hulme Hall	261
Hulme				
Chelford	Miss J. Hughes*	Church House, Chelford, Macclesfield	Chelford	314
Cholmondeley	Miss M. Brocklehurst*	Nurse's Cottage, Bickley Moss, Whitchurch	Cholmond- eley	268
Combermere	Miss W. A. George*	1, Council Houses, Newhall Lane, Aston, Nantwich	Aston (Nantwich)	286
Congleton	Mrs. R. Ward	20, The Westlands, Congleton	Congleton	2104
Crewe	Miss C. Moss	5, Tynedale Avenue, Crewe	Crewe	3947
	Mrs. E. Heap	225, Wheelman Road, Crewe	Crewe	3163
Cuddington	Mrs. E. L. L. Hampson*	"Sunfield", Forest Road, Cuddington, Northwich	Sandiway	2163
Daresbury	Miss G. Roberts*	Delph Cottage, Daresbury, Warrington	Moore	266
Davenham	Miss M. Buckley*	437, London Road, Davenham, Northwich	Northwich	3027
Delamere	Miss D. E. Joseph*	Wayside, Cotebrook, Tarporley	Little Budworth	391
Disley	Mrs. A. Rodger*	Grenaghan, Hollinwood Road, Disley, Stockport	Disley	298
Doddington	Miss M. A. Edwards*	2, Back Lane, Walgherton, Nantwich	Wybunbury	345
Dodleston	Mrs. M. E. Pilliner*	30, St. Mary's Rd., Dodleston, Chester	Kinnerton	264
Dukinfield	Miss E. M. Ambler	212, Astley Street, Dukinfield	Ashton	1689
	Miss M. W. Stratton	293, King Street, Dukinfield		
Dunham	Miss W. Lewis	Thornlea, Station Road, Partington, Urmston, Manchester	Irlam	264
Ellesmere	Miss M. I. Raby	12, Thamesdale, Whitby, Wirral	E. Port	2542
Port	Mrs. A. Engstrom	66, Queen Street, Ellesmere Port	E. Port	2543
Farndon				
Frodsham	Mrs. M. Rhaney*	Wee Brae, Townfield Lane, Frodsham Warrington	Frodsham	2386
	Mrs. C. L. Ormsby*	10, Kingsway, Frodsham	Frodsham	2109
Gawsworth				
Goostrey	Miss G. Magee*	Booth Bank Road, Goostrey, Crewe	Holmes Chapel	3244
Grappenhall	Miss P. M. Baker	30, George's Crescent, Grappenhall, Warrington	Grappenhall	275
Great	Mrs. D. Sherratt*	Rose Bank, Marbury Lane, Comberbach, Northwich	Comberbach	279
Budworth				
Hale Barns	Miss L. W. Saunders*	380, Hale Road, Hale Barns, Altrincham	Ringway	4113
Halton	Mrs. G. M. Williams*	47, Main Street, Halton, Runcorn	Runcorn	2597
Handforth	Miss M. E. Bailey*	Oak Brow Cottage, Styal, Wilmslow, Manchester	Wilmslow	2738
Hartford	Miss D. Farman*	9, King Street, Hartford, Northwich	Northwich	4028

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Haslington	Mrs. J. Banks*	33, Cartwright Road, Haslington, Crewe	Crewe	2693
Hazel Grove	Miss H. Barry*	9, Bean Leach Road, Hazel Grove, Stockport	Stepping Hill	2292
	Miss D. Austin*	9, Bean Leach Road, Hazel Grove, Stockport	Stepping Hill	2292
Heald Green	Miss F. A. Jones*	29, Outwood Drive, Heald Green, Cheadle, Cheshire	Gatley	2592
Helsby	Mrs. N. E. Stewart*	1, Springfield Avenue, Helsby, Warrington	Helsby	143
Heswall	Miss C. M. Edwards*	1, Shrewsbury Road, Heswall, Wirral	Heswall	710
Higher Bebington	Miss M. R. Davies	216, Higher Bebington Road, Higher Bebington, Wirral	Mountwood	1840
Higher Sutton	Mrs. E. Carruthers*	1, Robin Crescent, Sutton, Macclesfield	Sutton	363
High Lane	Miss F. Boast*	27, Parkside Close, High Lane, Stockport	Disley	78
Hollingworth	Mrs. G. E. Hewitt	Mount House, Hollingworth, Manchester	Mottram	3210
Holmes Chapel	Miss L. B. Blunsum*	19, West Way, Holmes Chapel, Crewe	H. Chapel	2226
Hoylake	Miss L. Hughes	44, Stanley Road, Hoylake	Hoylake	1517
Hyde	Miss G. McClean	17, Henry Street, Hyde	Hyde	488
	Miss H. Sutton	17, Henry Street, Hyde	Hyde	488
Ince	Mrs. E. Parker*	Park Wood, Dunham Hill, Warrington	Helsby	169
Irby	Miss G. Wotton*	Irby Hill Farm, Mill Hill Road, Irby, Wirral	Irby	1752
Irby South	Miss M. E. Herbert*	10, Greenway, Pensby, Wirral	Irby	1779
Knutsford	Miss D. Cadogan*	Mere Heath Lane, Mere, Knutsford	Knutsford	505
	Miss M. E. Tierney*	Flat No. 1, Westfield Drive, Knutsford	Knutsford	504
Little Leigh	Miss L. C. Jones*	68, Astbury Drive, Barnton, Northwich	Northwich	5011
Little Sutton	Mrs. V. Sandbach	22, Glenwood Road, Little Sutton, Wirral	Hooton	2110
Lostock Gralam	Miss M. Morris*	337, Manchester Road, Lostock Gralam, Northwich	Northwich	3046
Lymm	Miss C. Cahill	26, Highfield Road, Lymm, Warrington	Lymm	116
Macclesfield	Miss K. M. Tanner	} 11, Northgate Avenue, Maccles- field	Maccles- field	2169
	Miss M. Otter			
	Mrs. M. Earlam	72, Earlsway, Weston, Macclesfield	Macclesfield	4887
Malpas	Miss O. M. Heath*	5, Springfield Road, Malpas	Malpas	96
Marple	Miss C. Turner*	19, Greenbank Crescent, Mount Drive Estate, Marple	Marple	361
Marple Bridge	Miss N. Greenleaf*	The Cottage, Lower Fold, Marple Bridge, Stockport	Marple	166
Marston	Mrs. E. Davies*	Brackley, Pickmere Lane, Pickmere, Knutsford	Pickmere	242
Middlewich	Miss E.M.Adamson*	} Hayward, Croxton Lane, Middlewich	Middlewich	151
	Miss G. Benger*			
Mobberley	Miss D. H. Moss*	18, Edenfield Av., Mobberley Knutsford	Mobberley	3132

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Mossley Mottram	Mrs. J. M. Huyton	25, Stockport Road, Mottram, Manchester	Mottram	2183
Moulton	Miss V. R. Watts*	11, Regent Street, Moulton, Northwich	Winsford	2346
Nantwich	Miss E. Larnach*	1, Wellington Road, Nantwich	Nantwich	5294
	Miss M. Mansfield*	1, Wellington Road, Nantwich	Nantwich	5294
Neston	Miss D. Price*	3, Landsceer Avenue, Neston Wirral	Neston	1185
Norley	Miss I. E. Belsham*	Nurse's Bungalow, Crabmill Lane, Norley, Warrington	Kingsley	265
Odd Rode	Miss H. M. Richardson*	2, Drenfell Road, Scholar Green, Stoke on Trent	Kids Grove	466
Poynton	Miss A. Cheetham*	82, Barnaby Road, Poynton, Stockport	Poynton	2137
Prestbury	Miss M. A. Wright*	7, Bollinside, Prestbury Macclesfield	Prestbury	8464
Rainow	Miss A. K. Keates*	Oakwood, Chapel Lanc, Rainow, Macclesfield	Bollington	2184
Romiley	Miss F. W. Gowan*	1, Barker Road, Goyt Valley Estate, Bredbury, Stockport	Woodley	3631
Runcorn	Mrs. E. Booth	54, Heath Road South, Weston, Runcorn	Runcorn	2342
	Mrs. F. Fowles	26, Hazel Avenue, Runcorn	Runcorn	2849
	Mrs. J. E. Livesey	8, Lynden Grove, Runcorn	Runcorn	3260
Salc	Miss L. Powell	22, George's Road, Salc	Salc	7033
	Mrs. W. F. Raad	107, Royton Avenue, Sale	Sale	6135
Sandbach	Miss J. Witter*	5, Elworth Street, Sandbach	Sandbach	256
		5, Elworth Street, Sandbach	Sandbach	256
Sandiway	Miss M. L. O'Leary*	The Cottage, Glebe Road, Cuddington, Northwich	Sandiway	2252
Saughall	Miss D. Phillips*	9, Lodge Lane, Saughall, Chester	Saughall	200
Shavington	Miss L. E. Dcnison*	Sundour, Park Estate, Shavington, Crewe	Crewe	7234
Stalybridge	Mrs. A. Waite	68, Stocks Lane, Stalybridge	Stalybridge	2960
	Mrs. E. H. Slater	295, Huddersfield Road, Stalybridge	Stalybridge	2448
	Mrs. E. Garside	Spring Bank Cottage, Kay Street, Stalybridge	Stalybridge	2288
Stapcley	Miss E. Reilly*	41, London Road, Stapcley, Nantwich	Nantwich	5570
Stockton Heath	Miss H. M. Davies	68, Mill Lane, Stockton Heath, Warrington	St'k'on Heath	1489
Strctton	Mrs. E. M. Reed*	3, Beverley Avenue, Appleton, Warrington	S. Heath	573
Tarporley	Mrs. M. Stewart*	99, High Street, Tarporley,	Tarporley	153
Tattenhall	Mrs. M. Jenkinson*	2, Rosemary Row, Tattenhall, Chester	Tattenhall	313
Tilston	Miss N. Priest*	Fern Lea, Tilston, Malpas	Tilston	249
Timperley	Miss M. B. McGrath	4, Eldercroft Road, Broomwood Estate, Timperley	Ringway	2912
	Miss A. Grigaitis	26, Grove Lane, Timperley	Ringway	3495
Upton	Mrs. J. E. Randall	24, Acres Lane, Upton Heath, Chester	Chester	23386
Vicars Cross and Huntington	Mrs. R. I. Croome	40, Vicars Cross, Chester	Chester	35533

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Weaverham	Mrs. H. Dudley*	55, Northwich Road, Weaverham, Northwich	Weaverham	60
West Kirby	Miss J. Howes	27, Burlingham Avenue, Grange, West Kirby, Wirral	Hoylake	1203
Wheelock	Miss E. E. Gerrard*	639, Crewe Road, Wheelock, Sandbach	Sandbach	281
Willaston (Wirral)	Miss G. Lloyd*	The Grey Cottage, Hooton Road, Willaston, Wirral	Willaston	2112
Willington	Miss M. S. Simpson*	9, Carter Avenue, Kelsall, Chester	Kelsall	286
Wilmslow	Miss E. B. Grindrod*	10, Hawthorn Walk, Wilmslow	Wilmslow	5525
	Miss D. R. Ricketts*	17, Bourne Street, Wilmslow	Wilmslow	2615
	Miss F. Marsden*	1, Prescott Road, Lacey Green Estate, Wilmslow	Wilmslow	5577
Winnington				
Winsford	Miss I. E. Bremner*	92, Weaver Street, Winsford	Winsford	2228
		92, Weaver Street, Winsford	Winsford	2228
	Miss M. C. Lewis*	92, Weaver Street, Winsford	Winsford	2228
Wistaston	Miss S. G. Black*	31, Coppice Road, Willaston, Nantwich	Crewe	7109
Witton	Mrs. I. Owen	"Dinastre", Lime Av., Leftwich, Northwich		
Worleston	Mrs. R. E. Fort*	Laundry Cottage, Rookery Park, Worleston, Nantwich	Nantwich	5941

Relief

Mrs. R. Adams	34, Oulton Avenue, Sale		
Mrs. A. P. C. Barber	4, Spring Avenue, Gee Cross, Hyde	Hyde	645
Mrs. M. Burgess	83, Sidmouth Road, Sale	Sale	8262
Mrs. M. Chesters	23, Davenport Avenue, Crewe	Crewe	2131
Mrs. K. Coleman	7, Woodford Rd., Bramhall Stockport	Bramhall	1357
Mrs. B. Collier	2, Beech Av., Rosehill, Marple, Stockport		
Mrs. D. Davison	26, Cornelius Drive, Pensby, Wirral	Irby	1639
Mrs. M. E. Evans	30, Bedford Road, Macclesfield	Macclesfield	3331
Mrs. H. G. Hall	237, Talbot Road, Newton, Hyde		
Mrs. F. E. Harrison	14, Asterfield Avenue, Higher Bebington	Rock Ferry	2441
Mrs. D. E. Hyde	65, Thamesdale, Whitby, E. Port		
Mrs. H. M. Jackson	44, Cheadle Road, Cheadle Hulme		
Mrs. A. B. James	61, Star Lane, Lymm	Lymm	399
Mrs. E. A. Manion	90, Chester Road, Grappenhall, Warrington		
Mrs. E. Mason	20, Berwyn Drive, Heswall	Heswall	1304
Miss E. Riall	26, Nursery Avenue, Hale, Altrincham	Altrincham	2706
Mrs. O. Saunders	12, Worsley Road, Walton, Warrington		
Mrs. W. F. Stenning	1, Hillcrest Drive, Little Sutton, Wirral		

COUNTY MIDWIVES (71)

No.	Name	Address	Telephone
1	Miss M. Williams	1, Trinity Road, Hoylake	Hoylake 3084
2	Mrs. E. Jemmett	58, Gresford Avenue, West Kirby	Hoylake 1552
4	Miss E. M. Newlands		
5			
6	Mrs. M. Uytendhal	19, Bolton Road East, New Ferry, Birkenhead	Rock Ferry 2301
7	Mrs. B. Cass	28, Thornleigh Avenue, Eastham, Wirral	Eastham 2022
8	Miss E. Lythgoe	22, Hawkins Road, Neston	Neston 1626
9	Miss E. Bowyer	382, Chester Road, Little Sutton	Hooton 2483
10	Mrs. M. H. Bendell	14, Queen's Avenue, Ellesmere Port	E. Port 1982
11	Mrs. V. E. Corson	Dormy, Wilkinson Street, Ellesmere Port	E. Port 146
12	Mrs. E. Evans	85, Grace Road, Ellesmere Port	E. Port 1188
13	Mrs. A. E. Williams	6, York Road, Ellesmere Port	E. Port 329
14			
15	Mrs. E. McAllister	73, Green Lane, Vicars Cross, Chester	Chester 35637
16	Miss I. B. Jones	18, Bache Avenue, Liverpool Road, Chester	Chester 21097
17		10, Stanley Villas, Runcorn	Runcorn 2556
17a	Miss E. M. Grice	30, Heath Road Crescent, Runcorn	Runcorn 3602
18	Miss E. Edwards	30, Heath Road Crescent, Runcorn	Runcorn 3602
19	Miss P. Noon	10, Stanley Villas, Runcorn	Runcorn 2556
20	Miss B. Smith	21, Russell Road, Runcorn	Runcorn 2013
21	Miss J. Elliott	3, Clarence Road, Grappenhall, Warrington	Grappenhall 384
22	Mrs. A. J. Carroll	1, Stetchworth Road, Walton, Warrington	St'kton Heath 611
23	Miss J. Wolahan	49, Wallerscote Road, Weaverham.	Weaverham 2116
23a	Mrs. E. Sherratt	Cartmel, London Road, Northwich	Northwich 2771
24	Miss A. Orme	95, Victoria Road, Northwich	Northwich 3025
25	Mrs. M. Court	117, Delamere Street, Over, Winsford	Winsford 2311
26	Mrs. A. E. Hough	Beaumont, St. Ann's Road, Middlewich	Middlewich 167
27	Miss E. A. Bimson	20, Gatefield Street, Crewe	Crewe 2239
27a	Mrs. S. A. Christmas	195, Gainsborough Road, Crewe	Crewe 3345
28	Miss D. Broad	234, Hungerford Road, Crewe	Crewe 2495
28a	Miss M. Beatty	199, Edleston Road, Crewe	Crewe 3701
29	Miss K. Beech	23, Minshull New Road, Crewe	Crewe 2826
29a			
30	Mrs. E. Weston	19, Nelson Street, Crewe	Crewe 3110
31			
31a	Mrs. M. Wilson	152, Holland Street, Crewe	Crewe 2875
33	Mrs. E. L. Pedley	6, Audley Road, Alsager	
34	Miss J. Pike	21, The Crescent, Lymm, Warrington	Lymm 725
36	Mrs. I. E. Thompson	6, Lansdowne Road, Sale	Sale 1140
37			
38	Mrs. D. Lindley	47, Alderley Road, Sale	Sale 4383
39			
40	Miss A. Whittle	220, Manchester Rd., Broadheath, Altrincham	Altrincham 1484
41	Miss M. E. Cassidy	26, Grove Lane, Timperley, Altrincham	Ringway 3495
43	Mrs. M. A. Fittes	Dunham Woodhouses, Dunham Massey, Altrincham	Altrincham 0056
44	Mrs. E. Starkey	1, Baneroft Road, Hale, Altrincham	Ringway 4653
45	Miss D. Harper	Cranford, Bradwall Road, Sandbach	Sandbach 273
46	Mrs. M. Williams	115, Woolston Avenue, Congleton	Congleton 690
47	Miss D. H. Wright	Ewanrigg, Giantswood Lane, Congleton	Congleton 240
48			
49	Miss A. Gray	139, Stockport Road, Cheadle, Cheshire	Gatley 2994
49a	Mrs. F. Morgan	42, Hulme Hall Road, Cheadle Hulme	Hulme Hall 1964
50	Miss F. W. Hampson	335, London Road, Hazel Grove, Stockport	Stepping Hill 3131
51			

COUNTY MIDWIVES (contd.)

No.	Name	Address	Telephone
52	Mrs. B. J. Whittaker	12, Garden Street, Macclesfield	Macclesfield 3766
53	Miss E. E. Hancell	64, High Street, Macclesfield	Macclesfield 4344
54	Miss G. H. Robinson	249, Peter Street, Macclesfield	Macclesfield 3321
55	Miss E. Fairclough	19, Nicholson Avenue, Macclesfield	Macclesfield 3322
56	Mrs. D. Tomlinson	7, Glegg Street, Macclesfield	Macclesfield 2073
57			
58	Miss M. E. Rhodes	21, Shakespeare Avenue, Millbrook, Stalybridge	Stalybridge 2151
59	Miss N. Robinson	6, Acres Lane, Stalybridge	Stalybridge 2821
60	Mrs. F. Dent	16, Ash Grove, Stalybridge,	Stalybridge 2281
62	Miss A. Lees	41, Armadale Road, Dukinfield	Ashton 1073
63	Miss L. Bradley	24, Morar Road, Dukinfield	Ashton 4261
64	Miss L. Kitchen	7, Elm Grove, Hyde	Hyde 789
65	Miss L. Sambrook	57, Woodfield Avenue, Hyde	Hyde 786
66a	Miss M. P. Schofield	Woodhaven, Woodend Lane, Hyde	Hyde 739

RELIEF MIDWIVES

Mrs. E. Horne	93, Moorhouse Avenue, Alsager	Alsager 602
Mrs. E. M. Thompson	19, Shipbrook Avenue, Rudheath, Northwich	Northwich 3192

COUNTY DENTAL NURSES (5)

Miss D. Babington	211, Fog Lane, Didsbury, Levenshulme, Manchester, 19.
Mrs. D. Comyn	Spring Villa, Upton Park, Chester.
Miss H. Howarth	700, Borough Road, Birkenhead
Mrs. M. A. Ramsbottom	26, Siddall Road, Bramhall, Stockport
Miss G. Rees	46, George's Crescent, Grappenhall, Warrington.

COUNTY DENTAL ATTENDANTS (19)

Miss M. Aspden	241, Bramhall Lane South, Bramhall, Stockport.
Miss J. Bartley	27, Tarvin Road, Chester.
Mrs. J. Clark	c/o 2, Cliffe Road, Crewe
Mrs. E. I. Cooke	250, Birch Lane, Dukinfield
Mrs. I. Cunningham	15, Esher Road, New Ferry.
Mrs. S. D. Enderby	Hulme House, Cheadle Road, Cheadle Hulme
Miss D. Fellowes	14, Rosslyn Drive, Moreton, Wirral
Miss B. Forsyth	3, Wellington Villas, Crewe.
Mrs. L. Holland	3, School Drive, Barnton, Nr. Northwich
Miss A. Kealey	The Ley, Winnington, Northwich.
Miss B. Lawrence	233, Chester Road, Hartford, Cheshire
Mrs. P. Lewis	Flat 3, 47, Broad Street, Sale.
Miss B. Nightingale	7, Mortlake Crescent, Chester
Mrs. V. B. Potter	70, Lorraine Road, Timperley
Mrs. L. P. Rees	86, Bond Street, Macclesfield.
Miss D. Smith	30, Willow Grove, Hoole, Chester.
Miss M. Watkin	Holly Bank, Barrington Road, Altrincham
Mrs. J. Wilkinson	26, Rossett Avenue, Timperley, Altrincham
Mrs. E. Wynne	52, Chatsworth Road, Hazel Grove, Stockport.

AUTHORISED OFFICERS FOR MENTAL HEALTH

No. and District	Name	Office	Residence
1 Wirral	E. M. Harbrow	218, Bebington Road, Bebington (Tel. Rock Ferry 1155)	239, Greenbank Road, West Kirby (Tel. Hoylake 3071).
2 West	L. A. R. Kingaby	11b, Newgate Street, Chester (Tel. Chester 24520)	15, Durban Avenue, Christleton, Chester (Tel. Chester 35113).
3 Runcorn	F. Sterry	District Offices, Waterloo Road, Runcorn (Tel. Runcorn 2608)	12, Weston Crescent, Runcorn (Tel. Runcorn 2426)
4 Mid-Cheshire	E. Platt	Brunner Guildhall, High Street, Winsford (Tel. Winsford 3346)	Kensyd, Delamere Street, Winsford (Tel. Winsford 3352)
5 Nantwich	F. H. Mills	21, Pillory Street, Nantwich (Tel. Nantwich 5545)	Northwood, Millfields, Nantwich (Tel. Nantwich 5545).
6 Crewe & Sandbach	R. E. Broach	1, Gatefield Street, Crewe (Tel. Crewe 2478)	180, Crewe Road, Alsager (Tel. Alsager 174)
7 Altrincham & Sale	W. H. Driver	1, Claremont Road, Sale (Tel. Sale 2305)	32, Sefton Road, Sale (Tel. Sale 3408).
8 Bucklow & Wilmslow	R. Dixon	Bexton Road, Knutsford (Tel. Knutsford 506)	18, Stanley Road, Knutsford (Tel. Knutsford 506).
9 Macclesfield & Congleton	L. W. Lyon	33, Great King Street, Macclesfield (Tel. Macclesfield 4908)	Ainsdale, Gawsworth Road, Maccles- field (Tel. Macclesfield 2976).
10 North-East	C. G. Owens	District Offices, 59b, Shaw Heath, Stockport (Tel. Stockport 4422)	Coniston, Goyt Crescent, Brinnington, Stockport (Tel. Stockport 3145).
11 Hyde & Stalybridge	J. Thompson	28, Pickford Lane, Dukinfield (Tel. Ashton 1128)	28, Pickford Lane, Dukinfield (Tel. Ashton 1128).

DAY NURSERIES

Altrincham M.B.	1, Gaskell Road (Tel. Altrincham 3621). <i>Matron</i> —Mrs. W. Helliwell
Bebington M.B.	The Bradmoor, Bromborough (Tel. Brom- <i>Matron</i> —Mrs. F. G. Davies borough 1381)
Congleton M.B.	Bradshaw House, Lawton Street (Tel. Congleton <i>Matron</i> —Mrs. H. E. Knight 282).
Dukinfield M.B.	Dewsnap Lane (Tel. Ashton-u-Lyne 3136). <i>Matron</i> —Mrs. C. J. Bell
Macclesfield M.B.	South Park, Poplar Road (Tel. Macclesfield 3751) <i>Matron</i> —Mrs. M. Dean 1, Glegg Street (Tel. Macclesfield 2813). <i>Matron</i> —Miss R. A. Graham Nicholson Avenue, Hurdsfield <i>Matron</i> —Mrs. L. Potts (Tel. Macclesfield 4225)
Sale M.B.	Harley Road (Tel. Sale 4627). <i>Matron</i> —Mrs. E. Howitt
Bollington U.D.	Buntings Field, Wellington Road (Tel. Boll. <i>Matron</i> —Mrs. I. Helme 3294).
Bredbury & Romiley U.D.	Highfield Park Road, Bredbury (Tel. Woodley <i>Matron</i> —Mrs. E. M. Applegate 2817).
Ellesmere Port U.D.	Whitby Road (Tel. Ellesmere Port 1357). <i>Matron</i> —Mrs. R. F. Chroston
Hazel Grove & Bramhall U.D.	Queen's Road, Hazel Grove (Tel. Stepping Hill <i>Matron</i> —Miss F. H. Dunn 2048)
Runcorn U.D.	Okell Street (Tel. Runcorn 2461). <i>Matron</i> —Mrs. M. Jones

WRENBURY HALL TUBERCULOSIS REHABILITATION CENTRE

Medical Superintendent—P. W. Edwards, M.B.E., M.B., Ch.B.

Warden—L. T. Burton

MOTHERS' AND BABIES' HOME

Prospect House, 7, Trinity Road, Hoylake (Tel. Hoylake 1054).

Matron—Miss R. A. Barton

OCCUPATION CENTRES

Rigby Memorial School, Navigation Road, Altrincham.
(Tel. Altrincham 4977).

Supervisor—Mrs. D. M. Platt

St. Mark's School, School Lane, Grove Street, New Ferry
(Tel. Rock Ferry 1548)

Supervisor—Mrs. F. A. M. Williams

CENTRAL OFFICE

24, Nicholas Street, Chester (Tel. Chester 22305—3 lines).

REPORT OF THE County Medical Officer of Health

For the Year ended December 31st, 1953

Section I.-Area and Population

Area

The acreage of the County at the end of 1953 was 622,345 acres.

Population

The population of the Administrative County, as enumerated at the Census of 1951, was 824,599. The estimate of the Registrar-General for mid-1953 was 831,700.

Rateable Value

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1/4/53 was £5,646,398. A penny rate over the whole County for 1953-54 represented the sum of £22,416 (estimated).

Health Service Premises.

The following is a brief summary of the major works commenced or completed in the above year. In addition, many minor adaptations and improvements have been carried out at various buildings, and the normal programme of maintenance work has continued.

Wrenbury Hall Colony.

Erection of new Hostel Block.

Ellesmere Port Dental Clinic.

Conversion of section of Perambulator Shed at rear of Child Welfare Centre into a School Dental Clinic.

CLINIC CENTRES:

Little Sutton.

Conversion of Day Nursery into Child Welfare Clinic—Plans and Specifications prepared.

Cheadle Clinic.

Construction work practically completed.

Weaverham Clinic.

Construction work practically completed.

Stalybridge Millbrook Clinic.

Work commenced on construction of new Centre.

Hoyle Broomfield.

Work commenced on adaptations to Clinic Centre and new Ambulance Depot.

Marple

Sketch plans prepared for new Clinic.

Section II.-Births and Deaths

The figures are for the Administrative County, 1953.
unless otherwise stated.

Live Births :—

	Total.	Male	Female
Legitimate	11680	6048	5632
Illegitimate	443	211	232

Birth Rate per 1,000 of the estimated resident population:—
14·6.

	Total.	Male	Female
Stillbirths	274	137	137
Stillbirths Rate per 1,000 total (live and still) births, 22·1.			

	Total.	Male	Female
Deaths	9362	4752	4610

Death Rate per 1,000 of population, 11·3.

The principal causes of death were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Heart Disease	3134	3768
Malignant Diseases	1602	1926
Vascular lesions of nervous system	1447	1740
Pneumonia	261	314
Tuberculosis (all forms)	104	125
Pulmonary	93	112
Non-Pulmonary	11	13
Nephritis	117	141
Bronchitis	490	589

The deaths from the chief zymotic diseases were as
follows:—

Disease.	No. of Deaths.	Rate per million population.
Diphtheria	—	—
Whooping Cough	3	3·6
Measles	5	6·0
Gastritis, Diarrhoea and Enteritis	31	37·2

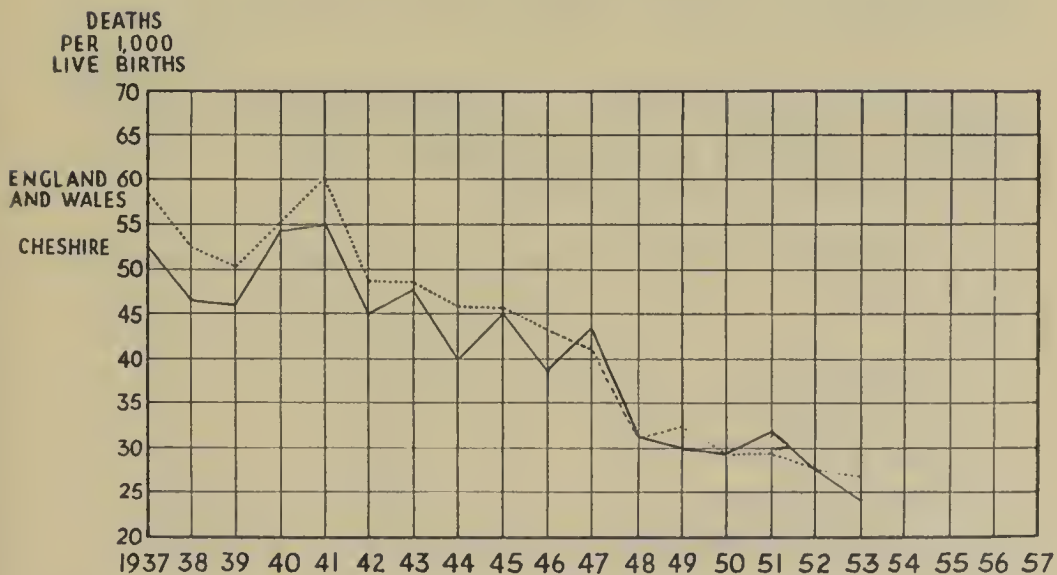
The zymotic Death Rate was 0·05 per 1,000.

Infantile Mortality:—

	Under 1 year	Under 4 weeks
Deaths of Infants in the Administrative County during 1953	292	198
Legitimate	275	186
Illegitimate	17	12
All Infants per 1,000 live births	24.1	16.3
Legitimate Infants per 1,000 legitimate live births	23.5	15.9
Illegitimate Infants per 1,000 illegitimate live births	38.3	27.0

The figures for deaths under one year in recent years are shown in the following diagram:—

INFANTILE MORTALITY



Deaths from Puerperal Causes:—

	Deaths.	Rate per 1,000 total (live and still) births.
Pregnancy, Childbirth, Abortion	7	0.5

Section III.-Vaccination and Immunisation

Under Section 26 of the National Health Service Act, 1946, the County Council has the duty of making available a full service of vaccination against smallpox and of immunisation against diphtheria.

It is hoped that the attention now devoted to Health Services in general, and to this aspect in particular, will result in a considerable increase in vaccination, just as it has served to secure a wide response to the offer of immunisation wherever this was available. Immunisation is, in practice, meant for children, with particular attention to those under 5, but vaccination may on occasion be sought by persons of any age, and a recent amendment of the County Scheme has provided for this.

Arrangements made under the Council's scheme include participation by general practitioners and sessions at clinics.

Agreement has been given to immunisation against whooping cough in areas where this is considered desirable by Divisional Health Committees, to which the organisation and management of the scheme has been devolved.

During the year 1953, the number of persons vaccinated was as follows:—

	<i>Vaccinated</i>	<i>Re-vaccinated</i>
Under 1 year	4367	—
Age 1 year	749	1
Age 2—4 years	485	43
Age 5—14 years	659	404
Age 15 years and over	1023	2042

During the same period the number of children who completed a full course of primary immunisation against diphtheria was as follows:—

Children under 5 years	7178
Children 5—14 years	1471
Total number of children who were given a secondary or reinforcing injection	8615

The number of children at 31st December, 1953, who had completed a full course of immunisation against diphtheria at any time before that date was as follows:—

		<i>Last complete course of injections (whether primary or booster)</i>	
<i>Born in Year</i>		1949-53	1948 or earlier
1953	—	1015	—
1949—52	—	26784	—
1944—48	—	31110	19079
1939—43	.....	13926	24581
	<hr/>	<hr/>	<hr/>
Totals	1939—53	72835	43660
	<hr/>	<hr/>	<hr/>

The estimated mid-year child population for the year 1953 was as follows:—

Under 1 year	—	11780
1—4 years	.....	49520
5—14 years	—	120200
Total under 15 years	.....	181500

During the year 1953 the number of children who completed a full course of immunisation against whooping cough was as follows :—

Under 1 year	.....	1541
Age 1—4 years	.....	2733
Age 5—14 years	—	439

Section IV.-Ambulance Service

The County Council is charged with the duty, under Section 27 of the National Health Service Act, 1946, to provide a comprehensive ambulance service throughout the County, free of charge to persons carried; the duty includes transport by car of persons who are unfit for public transport but do not need to be recumbent. The service is one which has been devolved for organisation and management within the approved estimates to Divisional Health Committees throughout the County.

Arrangements are made to pay for the agency use of some Red Cross and St. John vehicles. In addition, there is a supplementary arrangement with the Voluntary Car Service which, originally organised during the war, had been continued and paid for by hospital authorities. Taxis and hired cars are also used as a supplementary service.

During 1953, delivery was taken of one Bedford Lomas Ambulance and two Austin Sitting Case Cars which were ordered in 1952, and a further three Bedford Lomas Ambulances which were ordered in 1953.

Orders were placed for two Bedford Lomas Ambulances and three Bedford Lomas Sitting case ambulances for delivery in 1954. These have already been delivered.

The arrangements by which the County Boroughs of Chester, Stockport, Manchester, and Warrington, and the Counties of Shropshire and Derbyshire, provided an Ambulance Service in particular areas, or for special purposes, were continued, as was the arrangement whereby the County Borough of Liverpool and the County of Lancashire convey smallpox patients or others needing special disinfection.

For long distance journeys, use is made of the service provided by the Railway Executive for invalids, which comprises, for a small fee, a reserved compartment without payment of fares other than for the persons actually travelling. There are special arrangements for casual use, at an agreed fee, of other Authorities' ambulances, either at the far end of such a railway journey, or to meet special emergencies, and help is similarly given to other ambulance authorities.

The whole-time ambulance staff now approved consists of the following:—

Supervisors	.....	.....	.....	10
Senior Drivers and Mechanics				12
Drivers	.....	.....	.....	116
Attendants	.....	.....	.....	34
Others	.....	.....	.....	1

The following schedule shews the work done by the service or the financial year 1953-4:—

ITEM. (1)	Directly Provided Service. (2)		Supplementary Service (including Hospital Car Service). (3)			Transport by Rail. (4)
	Amb.	S.C.V.	Total	Amb.	S.C.V.	Total
1. No. of persons carried (excluding relatives, escorts and friends)						
(a) Section 27 patients						
(i) Accident or Emergency	9,922	690	10,612	1,288	1,898	3,186
(ii) Others	103,278	57,617	160,895	1,878	29,485	31,363
(iii) Total of (i) and (ii)	113,200	58,307	171,507	3,166	31,383	34,549
(b) Other persons, e.g. persons taken to day nurseries, welfare institutions, occupational centres, clinics, special schools, etc.	188	1,149	1,337	—	—	—
(c) Grand total i.e. (a) (iii) and (b)	113,388	59,456	172,844	3,166	31,383	34,549
2. No. of journeys by vehicles						
(a) Patient carrying journeys	49,597	19,586	69,183	2,426	13,648	16,074
(b) Abortive and service journeys	1,008	731	1,739	34	24	58
(c) Journeys for transport of analgesia apparatus, midwives, home nurses, etc.	87	434	521	—	6	6
(d) Total of (a) (b) and (c)	50,692	20,751	71,443	2,460	13,678	16,138
3. Total mileage (incl. that in respect of 1 (b))	782,955	492,070	1,275,025	45,200	337,806	383,006
Population of service area	828,764*					
Acreege of service area	620,137*					
No. of ambulance stations—	15					
Directly provided service	15					

No. of operational vehicles on establishment at 31st March, 1954 :—

Ambulances ——— 53

Sitting case vehicles ——— 23

*Excludes Disley R.D. served wholly by Derbyshire C.C.

Section V.-Prevention of Illness, Care and After-care

General

Section 28 of the National Health Service Act, 1946, gives permissive powers to the County Council to make a scheme for prevention of illness, and for the care and after-care of persons suffering from illness. The County Council has a duty to make detailed arrangements for any disease the Ministry may specify. In this connexion, tuberculosis has been so specified, and much of the work, other than clinic and institutional provision, which was carried out for many years under the County Tuberculosis Scheme, is being continued under the new powers.

The arrangements under this section of the Act are among those which for organisation and management, within the approved estimates, have been devolved to Divisional Health Committees.

Tuberculosis

Specialist Chest Physicians, the main part of whose work at chest clinics passed to the Regional Hospital Boards on the appointed day, are part-time officers of the County Council, and give Divisional Medical Officers all necessary advice in the sphere of care and after-care, and Health Visitors pay home visits to tuberculosis patients and help to secure the attendance of contacts at the clinics. The loan of large items such as garden shelters, and the supply of smaller items such as sputum flasks, now form part of the general scheme for the provision of nursing equipment, of which details are given later.

Wrenbury Hall Industrial Training Colony has continued under the full ownership and control of the County Council, and arrangements are being made for considerably extending the scope of the training given.

During the year 1953, some 51 Cheshire trainees were admitted for industrial rehabilitation, and 39 from other local authorities. There are at present 19 colonists living in the hostel, of whom 5 are married, and 7 married colonists living with their families in cottages on the estate.

The following tables will enable a comparison to be made between 1953 and previous years in respect of the incidence of, and mortality due to, tuberculosis.

Tuberculosis Statistics

	1953	1952	1951
New cases notified (primary)			
Pulmonary	433	449	432
New cases notified (primary)			
Non-pulmonary	81	119	114
Total	514	568	546
No. of cases remaining on Registers of Notifications kept by District M.O's.H., December 31st	5207	5061	4813
No. of Deaths from all forms of Tuberculosis	104	146	181
Death-rate from all forms of Tuberculosis per 1,000 of the population	0.12	0.18	0.22

Table relating to Tuberculosis in children under 16:—

Year	Number of Children notified as suffering from Pulmonary Tuberculosis	Number of Children notified as suffering from Non- Pulmonary Tuberculosis	Percentage of Total Notifications	
			Pulmonary	Non- Pulmonary
1944	20	143	3.9	64.4
1945	14	124	2.9	65.6
1946	12	82	3.2	58.6
1947	20	121	4.3	62.1
1948	24	101	5.4	63.9
1949	21	73	4.8	59.3
1950	24	59	5.2	48.8
1951	30	63	6.9	55.3
1952	56	62	12.5	52.1
1953	55	45	12.7	55.6

Table showing primary notifications and deaths from Tuberculosis during past 30 years :—

Year	Primary notifications		Deaths	Death rate per 1,000 population	
1924	..	1016	..	512	.. 79
1925	..	883	..	510	.. 78
1926	..	939	..	489	.. 73
1927	..	892	..	488	.. 73
1928	..	932	..	499	.. 74
1929	..	917	..	465	.. 69
1930	..	838	..	438	.. 64
1931	..	802	..	438	.. 64
1932	..	751	..	460	.. 66
1933	..	754	..	389	.. 57
1934	..	765	..	377	.. 54
1935	..	739	..	367	.. 52
1936	..	752	..	348	.. 49
1937	..	799	..	373	.. 52
1938	..	802	..	360	.. 49
1939	..	709	..	358	.. 48
1940	..	674	..	403	.. 52
1941	..	740	..	402	.. 52
1942	..	713	..	302	.. 40
1943	..	685	..	339	.. 46
1944	..	734	..	332	.. 45
1945	..	669	..	302	.. 41
1946	..	510	..	310	.. 40
1947	..	655	..	296	.. 38
1948	..	601	..	279	.. 35
1949	..	565	..	266	.. 33
1950	..	582	..	195	.. 24
1951	..	546	..	181	.. 22
1952	..	568	..	146	.. 18
1953	..	514	..	104	.. 12

The 1953 deaths are made up as follows:—

	Male	Female	Total
Pulmonary ..	71	22	93
Non-Pulmonary ..	6	5	11
	---	---	---
	77	27	104
	---	---	---

Death Rates, 1953.

All forms	·12 per 1000 of population.
Pulmonary	·11 per 1000 of population.
Non-Pulmonary	·01 per 1000 of population.

Contacts.

During the year 1953, approximately 2,685 contacts of definitely tuberculous patients were examined by Chest Physicians, with the co-operation of the health visitors who visited their homes whenever necessary. Particulars were sent, as usual to the Physicians of all tuberculosis deaths (whether of notified or unnotified cases) to assist in arrangements for contact examination.

Mass Miniature Radiography

During 1953, the following visits of the Mass Miniature Radiography Units took place:—

Liverpool Unit	—	Runcorn and District	10th June to 26th September.
		Ellesmere Port and District	3rd October to 2nd January, 1954.
Manchester Unit	—	Altrincham	29th December, 1952 to 23rd February.
		Sale	24th February to 12th March

The following table gives the number of examinations made, and details of the abnormalities detected:—

	Altrincham	Sale	Runcorn	Ellesmere Port
Number of Miniature examinations	9,606	3,710	9,765	12,294
Number recalled for large films	553	256	431	395
Total number of abnormalities detected	436	177	515	456
Type of abnormalities:—				
(a) Active pulmonary tuberculosis	13	6	17	15
(b) Inactive pulmonary tuberculosis	152	81	66	94
(c) Bronchiectasis	10	6	9	10
(d) Cardiac abnormalities	20	9	27	38
(e) Other conditions	241	75	396	299

The opportunity was taken during these visits to arrange for the nursing, teaching, and children's department staff in the districts concerned to be examined on a voluntary basis.

Summary of Notifications during the period from the 1st January, 1953, to the 31st December, 1953.

PART I.—

FORMAL NOTIFICATIONS

Age Periods	Number of Primary Notifications of new cases of tuberculosis													Total (all ages)
	0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-	75-	
Respiratory, Males	—	—	5	11	7	23	23	45	38	34	33	16	2	237
„ Females	2	1	4	11	14	23	46	52	21	7	9	6	—	196
Non-respiratory, Males	—	1	3	16	6	4	4	3	1	2	1	1	—	42
„ Females	—	1	3	12	3	4	5	6	1	—	3	1	—	39

B.C.G.

The County Council's proposals under Section 28 of the National Health Service Act, 1946, for B.C.G. vaccination against tuberculosis were approved by the Minister on 24th October, 1949. They provided for B.C.G. vaccination, by and at the instance of a physician with specialist knowledge and experience of tuberculosis, of contacts of patients suffering from tuberculosis, such contacts being found by medical tests to be capable of receiving protection from tuberculosis as a result of B.C.G. vaccination. In May, 1954 approval was given by the Ministry of Health to the Scheme being extended to provide for the B.C.G. Vaccination of children between 13 and 14 years of age.

Such physicians with specialist knowledge and experience of tuberculosis were the chest physicians employed by the Regional Hospital Board, towards whose salary the County Council pay a specified proportion.

Fourteen of the Divisional Medical Officers and four Assistant County Medical Officers have received instruction in the technique and methods of B.C.G. vaccination and have been approved for this purpose.

One of the biggest problems in providing B.C.G. vaccination has been the segregation for six weeks before and six weeks after vaccination, but this has been overcome usually by making arrangements with friends or relations of the child to be vaccinated, and in exceptional cases the Children's Committee has provided accommodation in the County Children's Homes. On the principle that the absence of facilities for segregation should not preclude a mantoux negative contact from being vaccinated by B.C.G., the policy is adopted of vaccinating forthwith if after a fortnight's effort segregation is not found to be practicable.

During 1953, the chest physicians vaccinated 353 cases, and the Divisional Medical Officers vaccinated 97 cases, under the scheme. In addition to these, certain new-born infants were vaccinated at St. Mary's Hospital, Manchester, through special arrangements made by the Professor of Child Health at Manchester University, and during the year, some 107 babies born to Cheshire mothers were thus vaccinated. Special arrangements have been made at Clatterbridge Hospital whereby newly born children of tuberculous parents can be transferred for post-vaccination segregation to a convalescent home maintained in connection with the Hospital.

Mental Illness

The care and supervision of patients at home suffering from mental illness or defect is carried out by Health Visitors and Authorised Officers, and arrangements are made, in suitable cases, for help to be given by other County services, such as Home Nursing and Domestic Help.

Other Illnesses

Liaison has been secured with the Almoners and other appropriate officials of hospitals so that discharged patients requiring help from any of the County Health Services may secure it without delay.

Another aspect of "care" is the investigation of "problem families" with a view to effecting any possible improvement and granting any appropriate help, *e.g.*, the loan of bedding.

An important aspect of "prevention of illness" is health education, and appropriate publicity under this heading is carried out locally.

Nursing Equipment

Stocks of nursing equipment are held by District Nurses and by Divisional Medical Officers for loan to patients needing them, subject to a small deposit charge, and a weekly hire payment in the case of the more expensive items. Examples of the small items normally kept by District Nurses are urinals, hot water bottles, bed pans, feeding cups, sputum flasks, steam kettles, air rings and back rests; the larger items stored by the Divisional Medical Officers include crutches, bath chairs, spinal carriages and water beds.

Shelters for the use of tuberculosis patients are issued by the County Medical Officer and transferred by the County Surveyor's Department, in accordance with recommendations made by the Chest Physicians, and confirmed, after investigation of the site, by the Divisional Medical Officer. Bedding is also kept for issue in special cases, *e.g.*, when a patient's small stock has to be taken away for disinfection or disinfestation, or to provide for house isolation of patients.

Infectious Disease

In order that Divisional Health Committees may have a continuous picture of the incidence of infectious disease in their areas, Divisional Offices receive full particulars of notified cases, and the County Council repays to District Councils, in accordance with the National Health Service Act, the notification fees paid to doctors. The following table gives the number of cases notified under the various headings during the year 1953.

	Scarlet Fever	Whooping Cough	Acute Poliomyelitis Paralytic	Acute Poliomyelitis Non-Paralytic	Measles (excluding Rubella)	Diphtheria	Acute Pneumonia	Dysentery	Smallpox
Altrincham M.B.	—	58	19	—	—	302	1	15	—
Bebington M.B.	—	77	200	7	2	273	2	27	21
Congleton M.B.	—	42	155	—	—	204	—	28	4
Crewe M.B.	—	63	244	—	1	680	—	3	1
Dukinfield M.B.	—	47	111	1	—	363	—	82	—
Hyde M.B.	—	62	96	—	—	552	—	32	—
Macclesfield M.B.	—	53	189	2	—	109	—	69	5
Sale M.B.	—	65	46	3	—	103	—	17	19
Stalybridge M.B.	—	25	122	—	—	423	—	26	—
Alderley Edge U.D.	—	—	4	—	—	5	—	4	—
Alsager U.D.	—	—	35	1	—	169	—	2	—
Bollington U.D.	—	13	60	—	—	31	—	1	—
Bowdon U.D.	—	2	3	—	—	23	—	1	—
Bred. and Rom. U.D.	—	18	28	1	1	382	—	4	—
Cheadle and Gat. U.D.	—	35	39	—	—	152	—	20	1
Ellesmere Port U.D.	—	58	87	—	—	208	1	19	6
Hale U.D.	—	7	4	2	2	76	—	—	—
Hazel Grove and Bramhall U.D.	—	34	6	—	—	102	—	2	1
Hoole U.D.	—	5	35	—	—	19	—	1	—
Hoylake U.D.	—	44	181	2	—	82	—	21	—
Knutsford U.D.	—	4	39	—	—	86	—	1	—
Longdendale U.D.	—	6	2	—	—	170	—	7	1
Lymm U.D.	—	7	—	—	—	—	—	—	—
Marple U.D.	—	57	47	1	1	220	—	2	11
Middlewich U.D.	—	—	—	—	—	1	—	—	—
Nantwich U.D.	—	24	8	1	—	49	1	1	—
Neston U.D.	—	26	22	1	—	41	—	15	—
Northwich U.D.	—	17	64	—	—	59	—	7	8
Runcorn U.D.	—	56	184	—	—	467	—	5	—
Sandbach U.D.	—	1	33	2	1	73	—	—	1
Wilmslow U.D.	—	15	53	1	—	176	—	15	—
Winsford U.D.	—	1	7	—	—	84	1	1	—
Wirral U.D.	—	33	125	—	—	53	—	21	—
Bucklow R.D.	—	7	67	—	—	86	—	2	—
Chester R.D.	—	34	52	4	—	129	—	55	—
Congleton R.D.	—	7	26	—	—	97	—	2	—
Disley R.D.	—	1	3	—	—	46	—	4	—
Macclesfield R.D.	—	21	86	3	—	238	—	16	—
Nantwich R.D.	—	42	160	3	6	194	—	38	—
Northwich R.D.	—	107	272	2	—	411	—	9	—
Runcorn R.D.	—	28	132	1	—	382	—	5	—
Tarvin R.D.	—	24	32	—	—	164	—	41	1
Tintwistle R.D.	—	6	2	—	1	53	—	2	—
TOTAL	—	1232	3080	38	15	7537	6	623	80

	Acute Encephalitis Infective	Acute Encephalitis Post Infective	Enteric or Typhoid Fever	Paratyphoid Fever	Erysipelas	Meningococcal Infection	Food Poisoning	Puerperal Pyrexia	Ophthalmia Neonatorum
Altrincham M.B.	—	—	—	—	9	1	1	4	—
Bebington M.B.	1	—	—	1	14	1	6	2	—
Congleton M.B.	—	—	—	—	3	—	1	3	—
Crewe M.B.	—	—	—	—	5	—	—	3	1
Dukinfield M.B.	—	—	—	—	1	—	2	—	—
Hyde M.B.	—	—	—	—	12	—	3	8	—
Macclesfield M.B.	—	—	—	—	6	—	1	36	3
Sale M.B.	1	—	—	—	2	1	—	3	—
Stalybridge M.B.	—	—	—	—	4	—	—	—	—
Alderley Edge U.D.	—	—	—	—	—	—	—	—	—
Alsager U.D.	—	—	—	—	4	—	3	—	—
Bollington U.D.	—	—	—	—	1	—	3	—	—
Bowdon U.D.	—	—	—	—	—	—	—	—	—
Bred. and Rom. U.D.	—	—	—	—	—	—	1	—	—
Cheadle and Gat. U.D.	—	—	—	1	3	—	—	—	—
Ellesmere Port U.D.	1	—	—	—	12	3	—	2	—
Hale U.D.	—	—	—	—	—	—	—	—	—
Hazel Grove and Bramhall U.D.	—	—	—	—	—	1	6	1	—
Hoole U.D.	—	—	—	—	2	—	7	—	—
Hoylake U.D.	—	—	—	—	4	1	—	1	—
Knutsford U.D.	—	—	—	—	—	—	—	1	—
Longdendale U.D.	—	—	—	—	1	—	1	1	—
Lymm U.D.	—	—	—	—	—	—	—	—	—
Marple U.D.	—	—	—	—	3	—	—	2	—
Middlewich U.D.	—	—	—	—	—	—	—	—	—
Nantwich U.D.	—	—	—	—	—	—	—	8	—
Neston U.D.	—	—	—	—	—	—	—	1	—
Northwich U.D.	—	—	—	—	—	1	—	—	—
Runcorn U.D.	—	—	—	—	4	—	—	—	—
Sandbach U.D.	—	—	—	—	2	—	—	1	—
Wilmslow U.D.	—	—	—	—	1	1	—	—	—
Winsford U.D.	—	—	—	—	1	—	—	—	—
Wirral U.D.	—	—	—	—	1	—	5	—	—
Bucklow R.D.	—	—	—	—	—	—	—	—	—
Chester R.D.	—	—	—	1	2	—	17	—	—
Congleton R.D.	—	—	—	—	1	1	3	1	—
Disley R.D.	—	—	—	—	1	—	—	—	—
Macclesfield R.D.	—	—	—	—	2	1	—	—	—
Nantwich R.D.	—	—	—	—	1	1	2	1	—
Northwich R.D.	—	—	—	—	4	1	—	—	—
Runcorn R.D.	—	—	—	—	5	—	1	4	1
Tarvin R.D.	—	—	—	—	—	—	—	—	—
Tintwistle R.D.	—	—	—	—	—	—	—	—	—
TOTAL	3	—	—	3	111	14	63	83	5

The following Table shows the variation in notifications of the principal Infectious Diseases during the past nine years :—

Notifications	1953	1952	1951	1950	1949	1948	1947	1946	1945
Scarlet Fever	1232	1223	1007	1666	1695	1228	885	920	1704
Whooping Cough	3080	2420	2144	2824	2216	2936	1239	1570	1081
Poliomyelitis	53	41	40	83	99	30			
Diphtheria	6	1	8	15	35	86	65	152	315
Smallpox	0	0	0	0	0	0	0	3	0
Tuberculosis:—									
Pulmonary, all ages	433	449	432	461	442	443	460	370	480
Non-pulmonary, all ages	81	119	114	121	123	158	195	140	189
Pulmonary, Children under 16	55	56	30	24	21	24	20	12	14
Non-pulmonary, Children under 16	45	62	63	59	73	101	121	82	124

Section VI.-Mothers and Young Children Health Visiting, etc.

General

The County Council's responsibilities under Sections 22 and 24 of the National Health Service Act, 1946, are in the main a continuation of work which has been done for many years, though the Health Visitors' services are now used to carry out the Council's schemes for mental health, after-care, and handicapped persons.

Number of Health Visitors employed—31.12.1953	99
Equivalent whole-time H.V. Services provided	69

Number of visits paid by Health Visitors the during year.

Number of children under 5 years of age	62,348
Expectant Mothers—	
First Visits	3,302
Total Visits	6,167
Children under one year of age—	
First Visits	12,905
Total Visits	80,947
Children aged 1 and under 2 years—	
Total Visits	43,556
Children aged 2 but under 5 years—	
Total Visits	73,207
Tuberculosis Households—	
Total Visits	8,165
Other cases—	
Total visits	18,458
Total number of households or families visited	50,868

Premature Infants

Particular attention is devoted to babies weighing $5\frac{1}{2}$ lbs. or less at birth, and special cots with bedding, hot water bottles, etc., are kept in readiness. 816 premature live babies were born in the year under review, whose mothers normally live in the Authority's area, 205 at home and 611 in hospitals or nursing homes.

Puerperal Pyrexia

83 cases of Puerperal Pyrexia were notified during the year, 15 being domiciliary and 68 institutional confinements.

Maternal Mortality

The maternal mortality for 1953, *i.e.*, number of deaths due to pregnancy, childbirth or abortion, per 1,000 live and still births, was 0.5.

Ante-Natal and Post-Natal Clinics

All ante-natal and post-natal clinics conducted by the County Council before 5/7/48 have been continued, together with those established by the previously independent Authorities. The Regional Hospital Boards have agreed to pay for a proportion of the sessions attended by specialist obstetricians. In some areas there are other doctors' clinics, and in some districts midwives' clinics have been established.

The following Tables give particulars of doctors' County clinics held during 1953:—

	ANTE-NATAL			POST-NATAL		
	Sessions	Attend- ances	New Cases	Sessions	Attend- ances	New Cases
Altrincham†§	46	115	42	10	8	8
Bebington (New Ferry)	98	1264	198	54	71	70
Cheadle	50	636	182			
Congleton	3	3	2			
Ellesmere Port	100	2872	473	*67	166	150
Hale†	12	15	6			
Hazel Grove	52	546	217			
Hoole	24	46	23	*12	48	24
Hyde†	33	72	31			
Northwich	46	684	115			
Macclesfield†	48	978	313			
Runcorn	51	735	201	*9	11	11
Sale	22	180	57	13	61	22
Stalybridge	22	162	29	*12	57	46

† Non-Specialist. ‡ at 3 Centres. § at 2 Centres.

* Joint ante- and post-natal sessions.

Dental Care

Increasing importance is now attached by the Ministry of Health to the provision of dental services for expectant and nursing mothers, and for young children. Facilities will be extended as opportunity offers, subject to the availability of necessary staff.

DENTAL REPORT

Mothers and young children are dealt with during School Dental clinic sessions

All necessary treatment is carried out, if necessary with local or general anaesthetic.

All dentures are set up by a mechanic, and impressions and fittings carried out by the dental surgeon.

One clinic possesses an X-Ray apparatus, and for other clinics, arrangements are made with the local hospital.

The following details show the work done during the year 1953:—

	Expectant Mothers	Nursing Mothers	Children under 5 years
<i>(a) Numbers provided with Dental Care.</i>			
Examined	111	111	937
Needing Treatment	109	110	729
Treated	105	109	719
Made Dentally Fit.....	71	72	605
Total Attendances	223	271	1013
<i>(b) Forms of Dental Treatment Provided</i>			
Temporary Extractions	—	—	1063
Permanent Extractions	293	282	—
Temporary Teeth Filled	—	—	385
Permanent Teeth Filled	105	69	—
Anaesthetics —Local	45	58	142
General	39	44	509
Partial Upper Dentures fitted	7	9	—
Full Upper Dentures fitted	—	14	—
Partial Lower Dentures fitted	2	6	—
Full Lower Dentures fitted	—	10	—
Scalings or Scaling & Gum Treatment	19	18	10
Silver Nitrate Treatment	—	—	30
Dressings	10	11	106
Radiographs	1	—	—

Artificial Sunlight Treatment

During the year 1953, the attendances by children under 5 at the sunlight clinics listed below were as follows:—

Dukinfield	—	298
Hyde	—	1051
Macclesfield	.....	24
New Ferry	—	877
Sale	—	273
Stalybridge	—	1031

Orthopaedic Scheme

The specialist orthopaedic sessions held at clinic premises were taken over financially by the Regional Hospital Boards, in the same way as those held at hospital premises, and suitable financial arrangements were made for the few clinics where physiotherapy was only partly under specialist supervision.

The following shews the attendances made during 1953 at such clinics (excluding those for sunlight only) by children under 5:—

Congleton	..... 141	New Ferry	..... 239
Crewe	..... 426	Northwich	..... 129
Dukinfield	..... 338	Runcorn	..... 365
Ellesmere Port	..... 286	Sale	..... 262
Hoylake	..... 66	Stalybridge	..... 374
Hyde	..... 379	Stockton Heath	..... 212
Macclesfield	..... 608		

Infant Foods

The financial arrangements involved in the supply of infant foods at Welfare Centres continued in the main to be dealt with by Divisional Medical Officers and the voluntary committees' valued help in the various aspects of centre work was continued.

Day Nurseries

Details of the 13 Day Nurseries now maintained by the County Council are given on page 29. Two Nurseries at Cheadle and Northwich have been closed since 1/1/54. The following Table shows the position at the end of 1953:—

No. of Nurseries	No. of Places		No. of Children on register		Average daily attendance	
	0—2	2—5	0—2	2—5	0—2	2—5
15	268	391	152	421	132	338

Care of Unmarried Mothers

Arrangements have continued whereby unmarried expectant mothers are admitted to voluntary institutions some time before the confinement, and return there with the baby for varying periods afterwards. The County Council's own Home at 7, Trinity Road, Hoylake, provides 12 beds and 8 cots, and 49 women were admitted during the year, staying approximately eight weeks before the birth and eight weeks afterwards. Of these, five were the responsibility of other local authorities. Responsibility was accepted at other homes and hostels for 36 such mothers during the year.

Child Welfare Centres

The following Table gives particulars, as in previous years, of the sessions and attendances at Child Welfare Centres throughout the County:—

LIST OF INFANT WELFARE CENTRES, 1953.

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Adswood	Fortnightly	1st and 3rd Monday	22	641	268	29
Alderley Edge	Weekly	Friday	50	1998	817	40
Alsager	Fortnightly	Tuesday	26	841	235	32
Altrincham (The Mount)	Twice weekly	Monday & Wednesday	99	3834	461	39
Altrincham (Timperley)	Four times weekly	Tuesday a.m. & p.m. & Thursday a.m. & p.m.	197	7309	668	37
Antrobus	Fortnightly	1st and 3rd Wednesday	24	370	83	15
Audlem	Fortnightly	1st and 3rd Tuesday	23	1182	375	51
Barnton	Fortnightly	2nd and 4th Wednesday	24	970	196	40
Barrow	Fortnightly	1st and 3rd Wednesday	24	273	103	11
Bebington (New Ferry)	Weekly	Wednesday	51	2516	690	49
Bebington (New Ferry Toddlers')	Monthly	2nd Thurs.	11	98	68	9
Bebington (Bromboro')	Weekly	Thursday	52	1690	425	33
Bebington (Eastham)	Weekly	Monday	48	1155	51	24
Bebington (Eastham Toddlers')	Monthly	3rd Friday	11	93	73	8
Bebington (Thornton Hough)	Fortnightly	Friday	23	428	25	19
Bebington (Higher Bebington)	Weekly	Tuesday	50	1430	334	29
Bebington (Mayer Hall)	Weekly	Friday	49	1832	302	37
Bollington	Fortnightly	2nd and 4th Thursday	24	869	339	36
Bowdon	Fortnightly	2nd and 4th Thursday	24	578	181	24
Bramhall	Fortnightly	1st and 3rd Monday	23	775	258	34
Bredbury	Weekly	Tuesday a.m. & p.m.	49	2689	909	55
Broadbottom	Fortnightly	1st and 3rd Wednesday	24	682	211	28
Cheadle	Weekly	Tuesday	50	2827	873	57
Cheadle Hulme	Fortnightly	Tuesday	25	1351	419	54
Comberbach	Fortnightly	1st and 3rd Wednesday	24	759	252	32
Congleton	Weekly	Monday	48	2102	925	44
Cranage	Weekly	Wednesday	48	786	229	16
Crewe (Ludford St.)	Weekly	Thursday	52	4065	811	78

LIST OF INFANT WELFARE CENTRES, 1953—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Crewe ——— (Stalbr'ge Rd.)	Twice weekly	Monday and Wednesday	100	3781	585	38
Davenham ———	Monthly	1st Monday	12	373	108	31
Delamere ———	Fortnightly	1st and 3rd Monday	18	438	185	24
Disley ———	Fortnightly	Tuesday	25	710	225	28
Dukinfield ———	Twice Weekly	Wednesday & Thursday	100	4846	1683	48
Ellesmere Port (York Road)	Twice weekly	Tues. & Fri.	110	4522	589	41
Ellesmere Port (York Road 'Toddlers')	Monthly	1st Friday	11	154	140	14
Ellesmere Port (Ince)	Fortnightly	2nd and 4th Thursday	18	163	121	9
Ellesmere Port (Little Sutton)	Weekly	Monday	54	1834	332	34
Ellesmere Port (Overpool)	Fortnightly	1st and 3rd Thursday	24	778	78	32
Farndon ———	Fortnightly	1st and 3rd Tuesday	23	226	111	10
Frodsham ———	Fortnightly	Tuesday	26	908	323	35
Gatley ———	Fortnightly	2nd and 4th Thursday	24	970	353	40
Grappenhall	Weekly	Tuesday	50	1210	433	24
Greasby ———	Fortnightly	Wednesday	31	943	174	30
Hale ———	Weekly	Wednesday	52	2394	150	46
Hale Barns	Fortnightly	1st and 3rd Thursday	24	578	57	24
Handforth ———	Fortnightly	2nd & 4th Monday	23	457	183	20
Hartford ———	Fortnightly	2nd & 4th Tuesday	24	499	193	21
Haslington ———	Fortnightly	Tuesday	25	577	274	23
Hazel Grove ———	Weekly	Tuesday	51	3212	683	63
Heald Green ———	Fortnightly	1st & 3rd Thursday	23	801	199	35
Helsby ———	Fortnightly	Tuesday	25	680	272	27
Heswall ———	Fortnightly	Monday	28	2034	433	73
High Lane ———	Fortnightly	Tuesday	26	761	208	29
Hollingworth	Fortnightly	1st and 3rd Thursday	24	1556	358	65
Holmes Chapel	Fortnightly	2nd and 4th Tuesday	24	730	194	30
Hoole ———	Weekly	Tuesday	51	1832	615	36
Hoole ——— (Toddlers')	Monthly	1st Thurs- day	12	55	42	5
Hoylake ———	Weekly	Thursday	52	2265	514	44
Huntington ———	Fortnightly	2nd and 4th Wednesday	24	421	224	18
Hyde ——— (Bayley Hall)	Twice weekly	Mon. & Fri.	98	3331	498	34
Hyde ——— (Parsonage St.)	Twice weekly	Wed. & Thurs.	103	5396	678	52

LIST OF INFANT WELFARE CENTRES, 1953—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Irby	Fortnightly	Monday	26	1024	243	39
Kelsall	Fortnightly	1st and 3rd Tuesday	23	576	158	25
Kingsley	Fortnightly	2nd & 4th Wednesday	24	359	178	15
Knutsford	Fortnightly	Wednesday	26	1190	286	46
Lower Peover	Fortnightly	2nd and 4th Monday	22	401	152	18
Lymm	Weekly	Tuesday	51	2276	615	45
Macclesfield (Bridge St.)	Twice weekly	Mon. & Fri.	99	3646	756	37
Macclesfield (Bridge St. Toddlers')	Weekly	Tuesday	49	985	258	20
Macclesfield (Hurdsfield House)	Weekly	Thursday	51	2974	517	58
Macclesfield (Hurdsfield House Toddlers')	Monthly	1st Tues.	30	569	377	19
Macclesfield (Sanders Sq.)	Weekly	Friday	50	2281	418	46
Macclesfield (Sanders Sq. Toddlers')	Weekly	Thursday	50	574	263	12
Malpas	Fortnightly	1st and 3rd Monday	22	384	150	17
Marple	Weekly	Wednesday	51	3327	527	65
Marple Bridge	Fortnightly	2nd and 4th Thursday	23	939	290	41
Mellor	Fortnightly	1st and 3rd Thursday	23	512	199	22
Middlewich	Weekly	Monday	48	1409	634	29
Mobberley	Fortnightly	Tuesday	26	567	327	22
Moulton	Monthly	3rd Wed.	12	341	153	28
Mow Cop	Fortnightly	1st and 3rd Wednesday	24	342	296	14
Nantwich	Weekly	Thursday	52	1832	175	35
Neston	Weekly	Thursday	48	3892	379	81
Northwich (Darland House)	Weekly	Tuesday	50	1473	665	29
Northwich (Parkfield)	Weekly	Thursday	52	2372	1095	46
Over Peover	Fortnightly	1st and 3rd Monday	22	322	146	15
Partington	Fortnightly	1st and 3rd Thursday	23	683	154	30
Poynton	Fortnightly	1st and 3rd Thursday	24	1452	376	61
Prestbury (at Bollington)	Fortnightly	1st and 3rd Wednesday	24	262	97	11
Rainow (at Bollington)	Fortnightly	1st and 3rd Wednesday	24	433	137	18

LIST OF INFANT WELFARE CENTRES, 1953—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Rode Heath	Fortnightly	1st and 3rd Monday	24	244	141	10
Romiley	Weekly	Thursday	50	1416	589	28
Runcorn	Twice weekly	Wednesday a.m. & p.m.	104	3489	1454	33
Runcorn (Toddlers')	Monthly	1st Monday	11	83	83	8
Sale (Chapel Road)	Twice weekly	Tuesday & Thursday	139	6260	1857	45
Sale (Chapel Road Toddlers')	Monthly	2nd Wednesday	12	193	78	16
Sale (Raglan Road)	Fortnightly	1st and 3rd Tuesday	24	1474	396	61
Sale Moor	Weekly	Thursday	51	2020	625	39
Sandbach	Weekly	Tuesday	51	2555	1093	50
Sandiway	Fortnightly	1st and 3rd Tuesday	23	1053	207	46
Saughall	Fortnightly	1st, 3rd & 5th Monday	28	797	242	28
Scholar Green	Fortnightly	2nd and 4th Wednesday	24	541	287	23
Shavington	Fortnightly	2nd and 4th Tuesday	24	750	260	31
Stalybridge (Mechanics' Institute)	Twice weekly	Tuesday & Wednesday	100	4674	1879	47
Stalybridge (Millbrook)	Fortnightly	1st and 3rd Monday	45	1649	600	37
Stockton Heath	Weekly	Monday	48	1652	496	34
Sutton	Fortnightly	2nd and 4th Wednesday	22	369	101	17
Tarporley	Fortnightly	2nd and 4th Thursday	23	714	200	31
Tarvin	Fortnightly	2nd and 4th Wednesday	23	349	85	15
Tattenhall	Fortnightly	2nd and 4th Monday	22	379	129	17
Tintwistle	Fortnightly	2nd & 4th Thursday	23	674	156	29
Upton	Weekly	Thursday	52	1439	541	28
Weaverham	Fortnightly	Tuesday	51	2972	634	58
West Kirby	Weekly	Friday	50	2970	690	59
Willaston (Wirral)	Fortnightly	1st and 3rd Friday	23	370	128	16
Wilmslow	Weekly	Thursday	51	1689	490	33
Winsford	Weekly	Friday	50	2395	767	48
Winsford (Toddlers')	Monthly	1st Thurs.	11	220	79	20
Wistaston (Willaston)	Fortnightly	2nd and 4th Wed.	7	106	46	15

Nursing and Maternity Homes

The County Council has continued to be the registration Authority for private Nursing and Maternity Homes under Sections 187 to 194 of the Public Health Act, 1936, for the whole County, and the following details show the position for the year ended 31st December, 1953:—

No. on Register, 31/12/53	.....	.....	33
No. of inspections during 1953	.....	.....	43
No. of new homes registered in 1953	.....	.....	4

Homes for Old People, etc.

The regulations for registration and inspection of voluntary homes for old people, etc., namely the National Assistance (Registration of Homes) Regulations, 1949, are administered by the County Health Department, and the position for the year ended 31st December, 1953, is shown below :—

No. on Register, 31/12/53	.....	.....	17
No. of inspections during 1953	.....	.....	25
No. of new homes registered in 1953	.....	.....	6

Section VII.-Midwifery

General

A summary of the numbers involved is given below, further details on pp. 26-27, and general information, relating both to district nurses who practise midwifery and to those who do not, in Section XI.

Number of Midwives in Practice

There were 326 midwives who notified their intention to practise in the County Area during 1953.

County Midwives.....	64
District Nurse Midwives.....	106
Independent Midwives	28
Practising in Private Nursing Homes	17
Practising in Institutions	111

Inspection of Midwives

Visits paid by Senior Medical Officer	223
Lectures to midwives and pupils	18

Visits paid by Non-Medical Supervisor of Midwives:—

Inspection of County Midwives	200
Inspection of Independent Midwives	21
Special visits to Midwives	72
Visits to pupil Midwives	10
Lectures to pupils and Midwives	3

Cases visited:—

Labours	12
Nursings	179
Ante-natal	148
Post-natal	14

Cases attended by County Midwives and District Nurse Midwives on County Council Staff

	<i>Deliveries (live and still)</i>		<i>Stillbirths included in Cols. a & b</i>	<i>Miscarriages</i>
	<i>Col. a as midwives</i>	<i>Col. b as maternity nurses</i>		
Midwives	1,487	815	29	94
District Nurse Midwives	945	746	29	132
Total	2,432	1,561	58	226

Number of patients attended by midwives following early discharge from Hospital

2307

Notifications received (Central Midwives Board Rules)

Medical Aid	1241
Stillbirths	114
Laying out the Dead	36
Source of Infection	73
Artificial Feeding	955
Deaths in the Practice	52

Gas and Air Analgesia

(a) Number of domiciliary midwives practising in area 31/12/53, who were qualified to administer gas and air analgesia	161
(b) Number of sets of apparatus in use by above, 31/12/53	150
(c) Number of cases in which gas and air was so administered, 1953	2635

Pethidine

Number of cases in which pethidine was administered by domiciliary midwives during 1953 :—

(a) When Doctor was not present	855
(b) When Doctor was present	520

Section VIII.-Food and Drugs Acts

Milk (Special Designations) (Pasteurised and Sterilised Milk) Regulations, 1949.

Under Order by the Ministry of Food specified areas are being created in various parts of the country. In such areas the sale of milk is restricted to "specially designated" milk, i.e. pasteurised, sterilised or tuberculin tested milk or, until 30th September, 1954, accredited milk from a single herd.

The Borough of Congleton became a specified area on the 1st November, 1953. Other parts of Cheshire were included in the Manchester and District specified area on the 1st January, 1954, i.e. the Boroughs of Altrincham, Dukinfield, Hyde, Sale and Stalybridge, and the Urban Districts of Alderley Edge, Bowdon, Bredbury and Romiley, Cheadle and Gatley, Hale, Hazel Grove and Bramhall and Wilmslow.

Ultimately, as circumstances allow, these specified areas will be extended to cover the whole of the country. One aspect of the creation of specified areas is that a number of small dairymen will probably contract with large processing dairies for the pasteurisation of milk as an alternative to installing pasteurising plant in their own dairies. This will increase the transport of bottled milk between the processing dairies and the local centres of distribution. At the present time milk processed and bottled at several large dairies in Cheshire is transported thirty or forty miles by road before it reaches the consumer. For the greater part of the year this does not appear to affect the keeping quality of the milk but during periods of hot weather there is a risk of the temperature of milk in transit rising to sixty degrees Fahrenheit which must affect its keeping quality. Where no cold storage is provided for keeping milk overnight there is a greater risk of the milk turning sour. During hot weather the transport of milk between processing dairies and local centres of distribution should be carried out in the early morning, if practicable.

Complaints are occasionally received from other local authorities during the summer months of the poor keeping quality of milk retailed in their districts, for which the processing dairy is usually blamed.

Sometimes this has been due to unsold milk returned to the dairy by roundsmen and re-distributed on the following day when it is three days old. Most of the large processing depots supplying milk to smaller dairies have adopted a system of coded marking of bottle caps indicating which particular day the milk is processed and bottled. This enables the age of the milk to be verified in the event of complaints.

REPORT ON SAMPLES OF WASHED BOTTLES COLLECTED FROM MILK PROCESSING DAIRIES.

1953	Satisfactory	Fairly Satisfactory	Un-satisfactory	Coliform Bacilli Negative	Coliform Bacilli Positive	Total Number of Examinations Made
March	329	14	29	370	2	744
April	302	2	7	310	1	622
May	326	5	9	340	—	680
June	359	5	11	374	1	750
July	323	1	4	328	—	656
August	340	5	5	350	—	700
Sept'mber	358	3	2	363	—	726
October	380	1	3	384	—	768
November	363	—	3	366	—	732
December	297	1	3	301	—	602

Interpretation of results:—

<i>Colony count per bottle.</i>	<i>Classification.</i>
Not more than 200	Satisfactory.
Over 200 to 600	Fairly satisfactory.
Over 600	Unsatisfactory.

In previous reports attention has been called to the advantage of the Asechaffenburg-Mullen test for pasteurised milk which has been used in the County Public Health Laboratory for the past three years. Since the publication of these reports enquiries have been received from several County Councils and also from South Africa, United States and Germany, asking for details of this test. Several large dairies in Cheshire have adopted this test largely as a result of information given by our laboratory staff. At one large dairy this test is carried out on each consignment of milk before it is dispatched from the premises.

The retailing of orange drinks by dairymen appears to be increasing. Some dairymen are reluctantly compelled to do this owing to the public demand or as a result of competition by other dairymen. Two applications were refused for processing fruit juice compound from oranges on dairy premises which were structurally unsuitable. It has become necessary to impose certain restrictions to prevent the risk of milk being contaminated, and to comply with the Milk and Dairies Regulations.

The owners of three dairies which are rather over-crowded with plant have been requested to move into larger premises as soon as practicable.

Generally a satisfactory standard of milk processing has been maintained. Samples of processed milk from each of the twenty-nine dairies are examined weekly. Frequent tests are also made on washed bottles to test the efficiency of bottle washing operations. Helpful information and advice has been given to dairy managers.

During the current year two additional premises at Hyde and Congleton were licensed for the processing of milk.

Tuberculous Milk

In connection with the ascertainment of tuberculous milk, 2929 samples were taken at farms by the County Sampling Officers during 1953, of which 148 proved to be positive.

Co-operation with the Ministry of Agriculture and with local Sanitary Authorities has continued, so as to ensure that the high standard of milk production in Cheshire shall be maintained and improved.

County Public Health Laboratory

The following tables show the work of the County Laboratory during 1953 in comparison with previous years.

Total number of examinations made during the year 1953—

	<i>Pos.</i>	<i>Neg.</i>	<i>Total</i>
Patients' sputa for T.B. Examination	3	7	10
Milks :			
Cultures for Coliform bacilli	51	3897	3948
	<i>Failed</i>	<i>Passed</i>	<i>Total</i>
Aschaffenburg and Mullen Test	38	3910	3948
(Pasteurised milks)			
Phosphatase test (Kay-Graham)	38	3910	3948
(Pasteurised milks)			
Clot on boiling test	—	4304	4304
Reductase test	—	3929	3929
Turbidity test (sterilised milks)	—	356	356
Plate counts	—	—	1322
Washed Bottles	—	—	6980
Total examinations made of all specimens			28745

Milk Specimens examined 1944-53

Year	Clot on Boiling Test	Reductase Test	Coliform Test	Pasteurised Milk		Plate Count	Turbidity Test for Sterilised Milk	Total Examinations
				Phosphatase Test (Kay-Graham)	Aschaffenburg Test			
1944	.....	12400	6294	.....	.....	3	.....	18697
1945	.....	12726	9381	219	.....	138	.....	22464
1946	.....	13529	10303	317	.....	7	.....	24156
1947	.....	12682	10167	373	.....	2	.....	23224
1948	.....	13330	11128	447	.....	8	.....	24913
1949	.....	9400	6764	530	.....	1	.....	16695
1950	.....	1121	.....	1201	.....	.....	51	2373
1951	3451	3443	3238	3454	1459	.....	134	15179
1952	3924	3830	3858	3858	3858	1089	156	20573
1953	4304	3929	3948	3948	3948	1322	356	21755

Samples for Analysis.

The Chief Inspector of Weights and Measures, Food and Drugs, etc. (Mr. Stacey Hallard) reports as follows on the work of his Department in relation to the administration of the adulteration provisions of the Food and Drugs Act, 1938.

In my report for 1952 I made reference to the fact that under the Food and Drugs Act, 1938 the right of any non-county borough or urban district council to be a "Food and Drugs Authority" was based on the population of the area according to the "last published census". At that time I expected that the final figures of the census held in 1951 would be published during 1953, but this did not materialize, and therefore at the end of the year under review the County Council remained the "Food and Drugs Authority" for the whole of Cheshire with the exception of the four County Boroughs and the Municipal Borough of Crewe.

The administrative work of the County Council, as the Food and Drugs Authority, involved the taking of samples of all types of food and drugs in each Borough, Urban District, or Rural District on the basis roughly of three samples per thousand of population in Urban areas and 2.5 per thousand in rural areas. This rate of sampling is not laid down by Act or Regulation but is a figure accepted by the Ministry of Food as a reasonable number to secure adequate protection of the public in respect of purity of food. Naturally where suspicion attached to the sale of any particular commodity e.g. watering of milk, there was no limit to the number of samples taken in order to bring an offender before the Magistrates.

All samples obtained were submitted for analysis to the County Analyst (the late S. E. Melling, Esq., M.Sc., F.R.I.C.) or to the Deputy County Analyst (J. G. Sherratt, Esq., B.Sc., F.R.I.C.) and appropriate action was taken in cases where the article proved to be a dulterated or other-wise not conforming with legal requirements.

During the year 1953, 2,075 samples were submitted for analysis and of these 108 were certified against. The following list gives details of the types and numbers of the various foods and drugs analysed.

<i>Article of food and drug.</i>						<i>Total Analysed</i>	<i>Samples certified as adulterated or otherwise not in order</i>
Milk						1,316	89
Fish Paste						16	1
Camphorated oil						14	1
Zinc ointment						12	1
Beef sausage						7	1
Tincture of iodine						7	1
Lemon Curd						6	1
Lemonade powder						5	1
Pineapple juice						2	1
Savoy Devonshire butters						2	1
Dripping						2	1
Glycerine, honey and lemon						2	1
Hog Lard						2	2
Choc-biscuit						1	1
Corn and wart ointment						1	1
Cream cake						1	1
Ice-cream lollipop						1	1
Bismuth and soda mixture B.P.C.						1	1
Pork Sausage						1	1
Ice lollies						19	—
Whisky						19	—
Rum						7	—
Gin						3	—
Sausages (other than beef and pork)						2	—
Brandy						1	—
B.P. official preparations, simple house- hold medicaments, etc.						147	—
Miscellaneous groceries and unclassified articles						478	—
						2,075	108

Out of the total of 89 milks found to be below Standard 24 contained extraneous water, 42 were deficient in fat and 23 deficient in non-fatty solids. The latter were certified to be of abnormal quality, there being no question of the deficiencies being due to the presence of extraneous water.

Regarding the fat deficiencies it is very disturbing to find that over half (23) were in respect of Channel Islands milk, a type of milk which under a Ministry of Food Order must contain 4 per cent of fat against the Standard of 3 per cent for ordinary milk. One Channel Islands sample actually contained only 2 per cent of fat and thus was milk of exceedingly poor quality, in fact one half of its most valuable constituent was missing. Bearing in mind that the public pays a higher price for Channel Islands milk, and naturally expects to receive an article much richer than ordinary milk, it is high time that certain producers took steps to improve their product. Little can be done by the County Council towards this end as the Standard is fixed under an order of the Ministry of Food and in accordance with an

instruction by the Minister full particulars are sent to him and the subsequent investigations are dealt with by his officers.

On the other hand, in the extremely rare cases where a Channel Islands milk is found to contain added water, legal proceedings are taken by the County Council as a "Food and Drugs Authority." One such case came to light following a complaint by a householder who was dissatisfied with the quality of the Channel Islands milk he was receiving. As a result his retailer was stopped one morning and samples taken of each of the several types of milk he had on his vehicle. All were later certified as genuine with the exception of the Channel Islands sample and this contained 10 per cent of extraneous water. Immediately this fact was known 'follow up' samples were taken as the retailer picked up his next consignment at the producer's farm. The two samples taken at this point were both even more heavily watered, i.e. 15.6 and 11.5 per cent. Corresponding "appeal to cow" samples were found genuine. Accordingly summonses were issued against the farmer and he was fined a total of £10 and £4 4s. 0d. costs.

Apart from this instance 23 samples of ordinary milk were found to contain added water in amounts varying from 1.7 to as high as 33.3 per cent.

The most glaring examples concerned a complaint by a Dairy Company to the effect that milk supplied by a certain farmer was adulterated with water. Samples were subsequently taken from each of three churns as the collecting lorry arrived at the Dairy and two of these were found to contain extraneous water to the extent of 12.7 and 23.8 per cent respectively. The third, although below standard, did not contain extraneous water. Corresponding "appeal to cow" samples taken later at the farm were found to be genuine even though below standard. The remarkable thing about this case is that about a week after these official samples had been taken the Dairy Company still complained of the supply from this particular farmer. Accordingly further samples were taken and two of the three churns were found to contain 15 per cent and 15.5 per cent of extraneous water, respectively, whilst practically a third (33.1%) of the remaining churn was added water. Six summonses were issued in respect of this series and the farmer was fined a total of £28 and ordered to pay £17 17s. 0d. costs.

Another case concerned a milk seller who was challenged when retailing and from whom two pint bottles were purchased for analysis. One was found genuine but the other contained 18.4 per cent of added water. A corresponding 'appeal to cow' sample taken later was certified as genuine. Legal proceedings were instituted against the seller and, as he had had a previous conviction for a similar offence, the Magistrates imposed a fine of £50 and £2 2s. 0d. costs.

A complaint by a Dairy Company resulted in an Inspector waiting at a convenient distance from a farm after seeing three churns of milk outside the gate. He kept out of sight and later saw four more churns

added to the other three. It subsequently transpired that the first three churns were evening milk and the other four were morning milk. As soon as the carrier arrived to collect this milk the Inspector intercepted him and in the presence of the farmer's son took a sample out of each churn. In due course the County Analyst certified that each churn of evening milk and two churns of morning milk contained extraneous water. The amounts of excess water ranged from 7 to 17.6 per cent. In view of this, the next day, the Inspector took a morning and evening "appeal to cow" sample and both these proved to be genuine milk. Five summonses were issued in respect of these samples and the farmer was subsequently fined £10 on each summons and ordered to pay a total of £7 7s. 0d. costs.

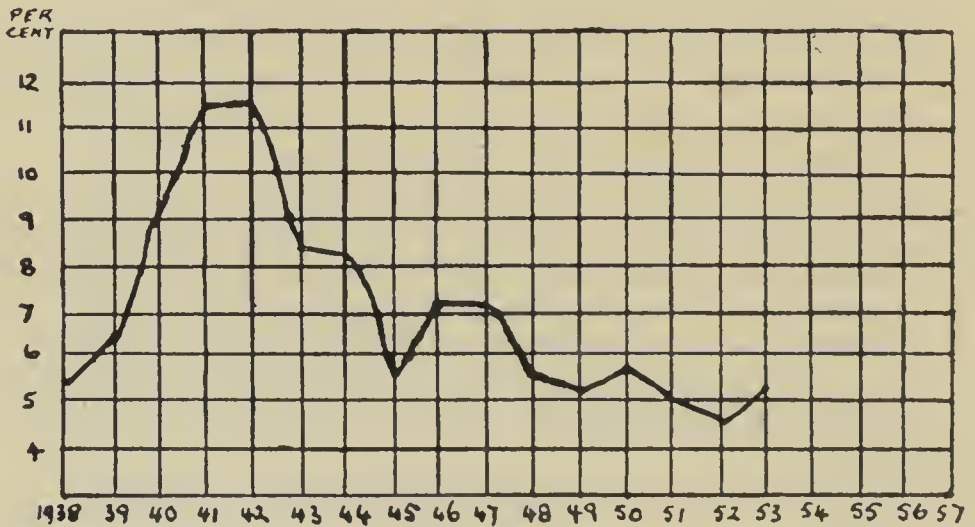
Regarding non-standard samples other than milk the following is a brief summary of the 19 samples reported against, the analysis is shown in parenthesis:—

1. *Camphorated Oil.* (3.7% deficient in Camphor.) The B.P. prescribes 20 per cent. w/w of camphor (Limits, 19 to 21). As the sample contained only 18.3 per cent. the Chemist was Cautioned.
2. *Pineapple Juice.* (Deficient in Ascorbic Acid (Vitamin C) to the extent of 75 per cent of the amount declared.) Label stated 'Fortified with Vitamin 'C' containing not less than 2 mg. Vitamin 'C' per fl. oz.' Sample was found to contain only 0.5 mgm. On investigation it was found that the article had deteriorated through long storage. Manufacturers were cautioned and advised to leave statement off future labels.
3. *Lemonade Powder* (Not conforming to the Labelling of Food Order, 1950.) Mineral matter content not disclosed as required by Article 2 of the Labelling of Food Order, 1950. Manufacturer Cautioned.
4. *Beef Sausage.* (Genuine beef sausage containing 204 parts per million of undeclared sulphur dioxide preservative.) Seller was cautioned for not declaring presence of preservative.
5. *Tincture of Iodine.* (Contained 42% excess of iodine and 56% excess of potassium iodide.) Retail sale of bottle. Capacity of bottle was 15 millilitres whereas volume of contents was only 10 millilitres. It was obvious that evaporation of alcohol had taken place through the stopper of the container. Seller was cautioned.
6. *Sweets (Butter).* ("Butter" confectionery containing 4.75% of fat consisting of from 25 to 33 per cent of butter fat.) Failed to conform with the Ministry of Food "Code of Practice" on the agreed use of the word "Butter" in sugar confectionery. Sample contained less than 4 per cent *butter* fat. Manufacturers Cautioned.

7. *Fish Paste.* (20% deficient in fish.) Retail sale. Manufacturer Cautioned.
8. *Choc-biscuit.* (The piece of cane attached to the confectionery contained extraneous dirt and moulds.) This was a conventional toffee apple type of article comprising a sweet impaled on the end of a short cane. The sample was actually submitted for analysis of the *edible* portion but a visual examination proved that the stick was dirty. Remaining stock was withdrawn from sale.
9. *Zinc Ointment.* (7% deficient in zinc oxide). Retailer sold bottle as supplied by manufacturer. The latter was cautioned.
10. *Corn and Wart Ointment.* (Deficient in salicylic acid and containing an excess of boric acid.) The analysis proved that the statement of ingredients printed on the label of the container was incorrect. Manufacturer Cautioned.
11. *Dripping.* (Dripping containing an excess of free fatty acid.) The dripping was, in fact, rancid. Seller Cautioned.
12. *Cream Cake.* (Cream cake the fat of which is rancid and contains an excess of free fatty acid.) Sample analysed at the request of a householder. Seller Cautioned.
13. *Ice Cream Lollipop.* (30% deficient in fat.) Sample as sold comprised a blob of ice cream on an ice lollipop. As the whole sample had melted when received by the Analyst he had no option but to treat it simply as a sample of ice cream. The inclusion of the water from the lollipop caused the sample to be certified as deficient in fat. Seller Cautioned and advised not to use the words "ice cream" in describing this particular lollipop.
14. *Lemon Curd.* (Deficient in fat to the extent of 62.5%). Contained 1.5% of fat instead of 4%. On investigation at works of manufacturer it was found the deficiency was due to faulty mixing. Manufacturer Cautioned.
15. *Glycerine, Lemon and Honey.* (43% deficient in Citric Acid.) 1.6% of Citric Acid declared on label,—0.9% found. Old label had been put on bottle in error,—the declaration on new labels read '0.6% Citric Acid' and this complied with the formula in current use. Manufacturer Cautioned.
16. *Sausage, Pork.* (Genuine pork sausages containing 256 parts per million of undeclared sulphur dioxide preservative.) Seller was cautioned for not declaring presence of preservative.
17. *Bismuth and Soda Mixture.* (Ingredients incorrectly stated on the label of the bottle.) Offence due to printing error. Seller was cautioned and agreed to amend all labels on bottles remaining in stock.

18. *Hog Lard.* (Hog grease and not hog lard). Sample was consistent with hog grease as defined in the Oils and Fats (No. 2) Order, 1953. Sample analysed as a result of complaint by a householder who had purchased article as lard. See No. 19.
19. *Hog Lard.* (Hog grease and not hog lard.) This was a sample purchased officially from the same shop as sample No. 18. It transpired that article was invoiced to shop as "Hog Grease" but was being supplied by an assistant when the purchaser asked for "Lard." Seller Cautioned.

To sum up the year's sampling it is pleasing to record, as a glance at the graph below will show, that the percentage of samples reported as adulterated or non-standard is still well within the very low average of the last six years. This is highly satisfactory when compared with the position obtaining during the ten years preceding this period.



In concluding this report it will be of interest to members of the Council to point out that during the year 1953, two Milk (Special Designation) (Specified Areas) Orders affecting parts of Cheshire came into operation and as a result the undermentioned places are now Specified Areas:—

Boroughs of Altrincham, Congleton, Dukinfield, Hyde, Sale, Stalybridge.

Urban Districts of Alderley Edge, Bowdon, Bredbury and Romiley, Cheadle and Gatley, Hale, Hazel Grove and Bramhall and Wilmslow.

The effect of this is that dairy-men retailing milk in these areas must sell the milk under special designation, i.e., "Pasteurised," "Sterilised," "Tuberculin Tested" and until 30th September, 1954,

“Accredited,” irrespective of whether the premises from which it is retailed are inside or outside the area. Any other milk which is retailed outside the specified area from these same premises must also be sold under special designation.

It is also obligatory to use a special designation in relation to milk sold to a caterer unless the caterer intends to pasteurise or sterilise the milk and is licensed to do so.

Offences against the foregoing provisions are offences under the Food and Drugs Act, 1938-1950 and heavy penalties are provided to deal with offenders.

These new obligations devolved upon the County Council as a “Food and Drugs Authority” and the responsibility of enforcing the provisions has been assigned to the Weights and Measures Department.

Section IX. Mental Health

PART I. MENTAL ILLNESS

TABLE I

The following table shows the number of Patients suffering from mental illness admitted to hospital during the period 1st January to 31st December, 1953.

HOSPITAL	Mental Treatment Act, 1930				Lunacy Act, 1890				TOTALS			
	s. 1 (Vol.)	s. 5 (Temp.)	s. 20 (3 Day)	s. 21 (14 Day)	s. 16 (Certi- fied)							
<i>Liverpool Region</i> (Population 256,969)	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Deva, Chester	39	65	—	6	1	3	4	21	19	56	63	151
Rainhill, Liverpool	2	1	—	—	—	—	—	—	—	—	2	1
Winwick, Warrington	9	3	—	—	2	2	4	7	6	2	21	14
Ormskirk, Lancs.	—	—	—	—	—	—	—	1	—	1	—	2
Tranmere, Birkenhead	—	—	—	—	12	14	34	27	1	6	47	47
Whiston, Lancs.	—	—	—	—	—	1	1	2	—	—	1	3
Sefton General, Liverpool	—	—	—	—	—	—	—	2	—	2	—	4
Whittingham, Lancs.	—	—	—	—	—	—	—	—	1	2	1	2
	50	69	—	6	15	20	43	60	27	69	135	224
<i>Manchester Region</i> (Population 574,731)												
Parkside, Macclesfield	46	41	—	—	13	15	28	51	44	73	131	180
Prestwich, Manchester	—	1	—	—	—	—	—	—	2	2	2	3
Lancaster Moor, L'caster	—	—	—	—	—	—	—	—	—	1	—	1
Barony, Nantwich	3	—	—	—	—	1	—	1	5	3	8	5
Shaw Heath, Stockport	3	4	—	—	5	5	12	10	14	18	34	37
Lake, Ashton-u-Lyne	—	1	—	—	—	—	—	3	—	2	—	6
Ollersett, New Mills	—	—	—	—	—	1	—	—	—	5	—	6
Crumpsall, Manchester	—	1	—	—	—	—	—	—	2	3	2	4
	52	48	—	—	18	22	40	65	67	107	177	242
<i>Others</i>												
Cheadle Royal, Cheshire	—	5	—	2	—	—	—	—	3	4	3	11
Denbigh, N. Wales	—	—	—	—	—	—	—	—	1	—	1	—
Provincial	3	—	—	—	—	—	—	—	—	1	3	1
	3	5	—	2	—	—	—	—	4	5	7	12
Totals	105	122	—	8	33	42	83	125	98	181	319	478
Combined Totals	227		8		75		208		279		797	
Corresponding Period 1952	207		6		60		173		286		732	

General

In both Regional Hospital Boards' areas an increase in admissions occurred during the year under review, i.e. 36 cases in the Liverpool Region, and 21 in the Manchester Region. It is a very noticeable feature that treatment is now sought, and afforded under the *voluntary* provisions of the Mental Treatment Act, 1930, and this undoubtedly contributes to shorter periods of hospitalization, and the arrest of mental ill-health in the early stages.

Admissions

The undermentioned information, extracted from the Deva Hospital returns, conveys in retrospect (a) the nature of mental illness prevalent during the year, (b) the period of hospitalization, and the prospect of a resumption of the patient's former normal life.

<i>Nature of Illness</i>	<i>Males</i>	<i>Nature of Illness</i>	<i>Females</i>
Depression	36	Depression	32
Anxiety State	1	Depression Menopausal	13
Anxiety Neurosis	3	Depression Reactive Hysteria	5
Melancholia	2	Neurosis	2
Schizophrenia	9	Neurosis Chronic	1
Hysteria	1	Neurosis Obsessional	
Senile Dementia	1	Ruminative	2
Psychopathic Personality	5	Anxiety Neurosis	4
Acute Toxic Confusion	3	Melancholia	4
Epilepsy	1	Hysteria	18
		Manic Depressive	1
		Schizophrenia	18
		Mania	4
		Paranoid State Menopausal	5
		Epilepsy	1
		Hypochondriasis	5
		Senile Dementia	2
		Confusional State	1
		Obsessional State	2
		Neurasthenia	4
		Not stated	2
	62		126

Of the foregoing discharge of patients, the status and conditions were as follows:—

	<i>Status</i>	<i>Recovered</i>	<i>Relieved</i>	<i>Not Improved</i>
<i>Males</i>				
	46 Voluntary	33	12	1
	16 Certified	11	3	2
	<hr/> 62	<hr/> 44	<hr/> 15	<hr/> 3
<i>Females</i>				
	95 Voluntary	40	36	19
	31 Certified	19	6	6
	<hr/> 126	<hr/> 59	<hr/> 42	<hr/> 25

The periods spent in hospital, prior to discharge, are as under:—

		Under 1 mth.	1—3 mths.	3—6 mths.	6—9 mths.	9—12 mths.	Over			
							1 yr.	2 yrs.	3 yrs.	4 yrs.
<i>Males</i>										
Voluntary	46	10	25	6	2	2	—	—	—	1
Certified	16	—	6	7	—	—	1	2	—	—
	<hr/> 62	<hr/> 10	<hr/> 31	<hr/> 13	<hr/> 2	<hr/> 2	<hr/> 1	<hr/> 2	<hr/> —	<hr/> 1
<i>Females</i>										
Voluntary	95	31	45	9	5	2	2	—	—	1
Certified	31	2	7	10	3	2	2	1	—	4
	<hr/> 126	<hr/> 33	<hr/> 52	<hr/> 19	<hr/> 8	<hr/> 4	<hr/> 4	<hr/> 1	<hr/> —	<hr/> 5

After-Care

The numbers of cases referred to the Department for after-care visitation on discharge from hospital during the year were Deva 41 cases, Parkside 24 cases, Winwick 39 cases, other hospitals 1 case.

Records

The number of patients admitted from the Administrative County and receiving treatment at the respective hospitals, as extracted from the weekly reports of Authorised Officers and the statutory returns issued by Hospital Management Committees, are as follows:—

<i>Hospital</i>	Patients at 31/12/53		Patients at 31/12/52		Patients at 31/12/51	
	<i>Men</i>	<i>Women</i>	<i>Men</i>	<i>Women</i>	<i>Men</i>	<i>Women</i>
Deva	292	500	295	484	293	486
Parkside	659	791	548	667	585	723
Stockport	47	41	33	40	27	31
Ashton	11	19	11	11	23	13
Nantwich	15	40	15	41	22	36
Others	228	273	184	218	128	147
	1,252	1,664	1,086	1,461	1,078	1,436

PART II.

MENTAL DEFICIENCY

The following Table gives particulars of the cases reported during 1953, and their disposal together with a classification of some special categories:—

	During 1953				Total cases on Authority's registers as at 1/1/1954			
	Under age 16		Aged 16 and over		Under age 16		Aged 16 and over	
	M.	F.	M.	F.	M.	F.	M.	F.
1. Particulars of Cases reported during 1953—								
(a) Cases at 31st December ascertained to be defectives "subject to be dealt with"								
Action taken on reports by:—								
(i) Local Education Authorities on children								
(1) While at school or liable to attend school	32	34	—	—	—	—	—	—
(2) On leaving special schools	11	1	—	—	—	—	—	—
(3) On leaving ordinary schools	—	—	—	—	—	—	—	—
(ii) Police or other Courts	—	—	1	—	—	—	—	—
(iii) Other sources	—	—	7	2	—	—	—	—
(b) Cases reported but not regarded at 31st December as defectives "subject to be dealt with" on any ground	—	—	—	—	—	—	—	—
(c) Cases reported but not confirmed as defectives by 31st December and thus excluded from (a) or (b)	6	10	—	—	—	—	—	—
Total number of cases reported during the year	49	45	8	2	—	—	—	—

		Total cases on Authority's Registers as at				During 1953			
		1st January, 1954							
		Under age 16		Aged 16 and over		Under age 16		Aged 16 and over	
		M.	F.	M.	F.	M.	F.	M.	F.
2. Disposal of Cases									
(a) Of the cases ascertained to be defectives "subject to be dealt with" number									
(i) Placed under Statutory Supervision		42	33	7	—	203	161	309	355
(ii) Placed under Guardianship		—	—	—	—	—	—	—	—
(iii) Taken to "Places of Safety"		—	—	—	—	2	6	—	1
(iv) Admitted to Institutions		1	2	1	2	35	39	349	250
(b) Of the cases not ascertained to be defectives "subject to be dealt with" number									
(i) Placed under Voluntary Supervision		—	—	—	—	—	—	—	—
(ii) Action unnecessary		—	—	—	—	—	—	—	—
Total of Item 2		43	35	8	2	240	206	658	606
3. Classification of defectives in the Community on 1/1/54									
(a) Cases included in Item 2 (a) (i) to (iii) above in need of institutional care:—									
(1) In urgent need of institutional care:—									
(i) "cot and chair" cases		—	—	—	—	8	5	1	—
(ii) ambulant low grade cases		—	—	—	—	20	8	6	9
(iii) medium grade cases		—	—	—	—	5	2	6	4
(iv) high grade cases		—	—	—	—	—	—	3	—
(2) Not in urgent need of institutional care:—									
(i) "cot and chair" cases		—	—	—	—	—	—	—	—
(ii) ambulant low grade cases		—	—	—	—	6	3	1	4
(iii) medium grade cases		—	—	—	—	3	2	3	1
(iv) high grade cases		—	—	—	—	—	—	—	—
Total of Item 3 (a)		—	—	—	—	42	20	20	18

	During 1953				Total cases on Authority's registers as at 1st January, 1954			
	Under age 16		Aged 16 and over		Under age 16		Aged 16 and over	
	M.	F.	M.	F.	M.	F.	M.	F.
(b) Of the cases included in items 2 (a) (i) and (ii) and 2 (b) (i) overleaf, number considered suitable for:—								
(i) occupation centre	—	—	—	—	75	74	20	19
(ii) industrial centre	—	—	—	—	—	—	—	—
(iii) home training	—	—	—	—	—	—	—	—
Total of Item 3 (b)	—	—	—	—	75	74	20	19
(c) Of the cases included in item 3 (b) number receiving train- ing on 1/1/54:—								
(i) in occupation centre	—	—	—	—	21	12	7	6
(ii) in industrial centre	—	—	—	—	—	—	—	—
(iii) at home	—	—	—	—	—	—	—	—
Total of Item 3 (c)	—	—	—	—	21	12	7	6

Institutional Accommodation

During the year 1953 vacancies were found for mentally defective persons in Institutions as follows:—

Cranage Hall Hospital, Holmes Chapel	.....	.....	9
Brockhall Hospital, Langho, Lancs.	.....	.....	9
Calderstones Hospital, Whalley, Lancs.	.....	.....	15
Mary Dendy Hospital, Alderley Edge	.....	.....	5
Newchurch Hospital, Culcheth, Nr. Warrington			1
Greaves Hall, Southport	.....	.....	1

The following Table shows the Institutions where patients were accommodated at the end of the year under review:—

	Under age 16		Aged 16 and over		Under age 16	Aged 16 and over	Total
	M.	F.	M.	F.	Total	Total	
Cranage Hall, Hospital	19	12	134	133	31	267	298
The Manor, Gt. Sutton	—	—	—	3	—	3	3
Brockhall Hosp., Langho, Lancs.	5	16	11	13	21	24	45
Caersws Hospital, Mont.	—	—	—	2	—	2	2
Arcldid Hospital, Sandbach	—	—	18	4	—	22	22
Royal Earlswood Hospital, Redhill	—	—	1	1	—	2	2
Royal Albert Hospital, Lancaster	3	—	16	7	3	23	26
Stoke Park Colony, Bristol	—	—	10	7	—	17	17
Whittington Hall Hospital, Chesterfield	—	—	—	2	—	2	2
Swinton Homes, Manchester	5	2	—	1	7	1	8
Calderstones Hospital, Lancs.	2	5	34	20	7	54	61
Mary Dendy Hospital, Alderley Edge	—	1	93	40	1	133	134
Gillibrand Hall, Chorley	—	—	—	2	—	2	2
Seafeld House, Lancs.	1	—	2	—	1	2	3
St. Raphael's Colony, Brentford	—	—	1	—	—	1	1
St. Mary's Home, Alton	—	—	—	1	—	1	1
Botley's Park, Chertsey	—	—	—	1	—	1	1
Totterdown Hall, Weston- super-Mare	—	—	—	1	—	1	1
Bentry Colony, Bristol	—	—	3	—	—	3	3
Ashton House Hospital, Birkenhead	—	—	—	3	—	3	3
Birkenhead Mental Hospital	—	—	1	—	—	1	1
Hillside, Buntingford	—	—	1	—	—	1	1
Lisieux Hall, Chorley	—	—	2	—	—	2	2
Durran Hill, Carlisle	—	—	—	1	—	1	1
Newchurch Hospital, Culcheth	—	1	—	1	1	1	2
South Ockendon Hosp., Essex	—	—	—	1	—	1	1
Royal Eastern Counties Hospital Essex	—	—	—	—	—	—	—
Milnthorpe Hospital, Milnthorpe	—	—	3	—	—	3	3
Fountain Hospital, London, S.W. 17	—	2	—	—	2	—	2
Stanley Hospital, Ulverston	—	—	—	1	—	1	1
Rampton State Institution	—	—	13	3	—	16	16
Moss Side State Institution	—	—	6	2	—	8	—
	35	39	349	250	74	599	673

Supervision

Male defectives in their own homes have continued to be supervised by Authorised Officers and female defectives by Health Visitors.

Places of Safety

At the end of the year 1953 the following numbers were detained temporarily in the Institution shown, pending permanent accommodation under the Mental Deficiency Acts:—

Whitecross Homes, Warrington .....	.....	5
Mary Dendy Hospital, Alderley Edge.....	.....	1
Atherleigh Hospital, Leigh .....	.....	3

Occupation Centres

During 1953 the New Ferry Occupation Centre (opened in 1952) had a further year's successful working, and it has been the subject of another favourable report by the Ministry of Health. In May, 1954 a second County Council Occupation Centre was opened in Navigation Road, Altrincham, and this also will provide much needed relief to local parents of children capable of benefiting by the care and training given there. It is hoped before long to open a third centre at Macclesfield, and consideration is being given to several other populous centres.

Use is also made by Cheshire of the Warrington and Wythenshawe Occupation Centre for defectives living within a reasonable distance.

Discharges from Order

Nine cases who had been on licence from Institutions were discharged from Order during the year under review.

Temporary Care

In 1953 the provision was continued of temporary care by admission to hospital for periods of two or three weeks during family emergencies, especially during the summer months when permanent patients are on holiday, thus providing a temporary respite for parents of children who could not at the time be permanently accommodated. During 1953, such temporary care was provided in fourteen cases. Another method of securing the same benefit has been the introduction of short-stay accommodation at the Orchard Dene Hostel at Rainhill of the National Association for Mental Health, where similar temporary accommodation is available, subject to contribution by the parents under the provision of the Care and After-care convalescence provisions of the National Health Service Act. Seven children were so accommodated in 1953.

General

As in previous years, reports on defectives and on their home conditions have been supplied to Hospital Management Committees on a variety of occasions, e.g. for holiday leave, licensing, and at intervals for the Statutory Visitors. Health Visitors and Authorised Officers have attended Juvenile and other Courts to give evidence in regard to alleged offences by defectives, and when necessary Medical Officers of the Department have attended to give medical evidence.

Co-operation with the Children's Department and with the Welfare Department has continued as in previous years, and help was given to other Authorities on a reciprocal basis in regard to their cases, by way of ascertainment and application for Justices' Orders.

I should like to take the opportunity of acknowledging the ready help given at all times by the Regional Hospital Boards, which have again on various occasions found prompt places for cases whose admission was an imperative urgency.

Section X.-Domestic Help

Under Section 29 of the National Health Service Act, 1946, the County Council is empowered to provide a Domestic Help Service for households where such help is required owing to the presence of any person who is ill, lying in, an expectant mother, mentally defective, aged, or a child not over compulsory school age.

The service is one of those which have been devolved to Divisional Health Committees for organisation, administration, and management within the approved estimates. It is not one of the services provided free under the Act, and the Local Health Authority has adopted an appropriate payment scale.

Number of Domestic Helps employed at 31st December, 1953:—

(a) Whole-time, 30

(b) Part-time, 303

Number of cases in which Domestic Helps were provided under the Council's Scheme during the year—

Maternity (including expectant mothers)	.....	399
Tnberculosis	.....	26
Chronic sick (including aged and infirm)	.....	1119
Others	.....	357
		<hr/>
	Total	1901
		<hr/>

Section XI.-Home Nursing

Under Section 25 of the National Health Service Act, the County Council has the duty to provide a full service for nursing sick persons at home free of charge to the patient.

Details of the nurses and nurse-midwives employed by the County Council are given earlier in this report, together with their districts.

District Nurses have been accustomed to provide their patients with items of nursing equipment, often small or consumable, such as paper handkerchiefs, urinals, and hot water bottles, but often larger or transferable, such as air beds and crutches; in some cases there have been more expensive items to lend, such as bath chairs. Arrangements have been made for continuing the supply of all such items on a greatly increased scale, and this service now forms part of the County Council's arrangements under Section 28 of the Act (see Section V).

The following statistics give some idea of the scope of the service and the work done:—

(a) Number of Home Nurses at 31/12/53:—	
(1) Whole-time on General Nursing	42
(2) Part-time on General Nursing	114
(b) Equivalent whole-time home nursing service provided in (a) (2)	66
(c) Number of visits paid by Home Nurses, 1953	390,251
(d) Number of cases attended by Home Nurses 1953	25,783
(e) Number of houses owned by County Council	25
(f) Number of motor vehicles owned by County Council	81
(g) Number of County-owned motor-assisted pedal cycles	2
(h) Number of nurses receiving County allowance for their own cars	64
(i) Number of telephone rentals being paid	128

Section XII.-Handicapped Persons

General

Under Section 29 of the National Assistance Act, 1948, the County Council provides Welfare Services for handicapped persons, and the scheme under this heading has been made the responsibility of the County Health Committee.

The classes of handicapped persons to which the section applies are the blind, the partially sighted, the deaf or dumb, and others substantially and permanently handicapped by illness, injury, congenital deformity, or such other disability as may be prescribed. Enquiry and discussion have proceeded with the various associations concerned regarding all these categories, and help has in some cases been given by the supply of materials for work at home.

Blind Persons

The Council's approved scheme so made continues, with necessary amplification, the scheme carried out in previous years in accordance with the Blind Persons Acts. Its details are executed by the Blind Welfare Societies at Chester, Ashton-under-Lyne, and Macclesfield, with which appropriate financial arrangements have been made. The Welfare Services of these Societies have, in accordance with the new scheme, been extended, so far as they are applicable, to partially sighted persons.

Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants were examined by one of the County Oculists. Those who so wished were examined a second time under the Medical Referee Service—conducted jointly with the North Regional Association—by independent Medical Referees.

Statistics

Number of Registered Blind Persons in the County at 31st December

			1953
Under 5 years ..	..	..	8
5—16 years ..	..	..	26
16—21 years ..	..	..	15
21—40 years ..	..	..	99
40—50 years ..	..	..	84
50—65 years ..	..	..	245
65—70 years ..	..	..	155
70 years and over ..	..	..	731
Unknown age ..	..	..	—
Total ..	..	..	1363

Registered Blind Persons in County, aged over 16 years, employed, or otherwise, at 31st December, 1953

Employed	{ in Workshops & Workrooms				21
	{ as Home workers				22
	{ variously				65
Unemployed	..	..	..	..	1211
Undergoing Training	..	..	..	..	10

Incidence of Blindness.

During the year 1953 there were 316 forms B.D.8 received for the County. These were classified as follows:—

Registered as Blind	.....	.....	.....	235
Registered as Partially Sighted	.....	.....	.....	70
Not registered	.....	.....	.....	11

Follow-up:

(i) Number of cases registered during 1953 in respect of which para. 7 (c) of Forms B.D.8 recommended:—	Cause of Disability			
	Cataract	Glaucoma	Retrolental Fibroplasia	Others
(a) No treatment	81	21	—	87
(b) Treatment (medical surgical or optical)	48	15	—	53
(ii) Number of cases at (i) (b) above which on follow-up action have received treatment	42	13	—	32

Ophthalmia Neonatorum

- (i) Total number of cases notified during the year 5
- (ii) Number of cases in which:—
- | | |
|---|-----|
| (a) Vision lost | Nil |
| (b) Vision impaired | Nil |
| (c) Treatment continuing at end of year | Nil |

Workshop Employees

Annual grants were continued on the usual principles to recognised Workshops for Cheshire employees. A "minimum wage" principle has been adopted for certain workers, their income being made up to a fixed amount. On this principle there were 7 male and 3 female employees at Chester, 3 male employees at Macclesfield, 1 male employee at Warrington, 1 male employee at Stockport and 1 male employee at Liverpool at the end of 1953, while on the fixed rate system there were 2 males and 1 female at Henshaw's.

Home Workers

The three voluntary societies arranged for the employment at home of those capable of it. Augmentation of 42/- weekly was given by the Council to all County approved Workers, who numbered 19 at the end of 1953.

National Library for the Blind

Grant and augmentation were made in 1953 to the National Library for the Blind on behalf of 2 Cheshire Home Workers who are Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

Other Services

The usual annual grants were continued in 1953 to the National Institute for the Blind and the North Regional Association for their respective national and regional services.

Wireless Certificates

178 Certificates entitling the recipients to a free wireless licence were issued in 1953 to applicants on the register.

Deaf Persons

The county is fully covered by voluntary societies for the welfare of the deaf, and financial grants are made by the County Council to these societies, which act as authorised agents for the provision of advice and help, when desired, for the establishment of social centres, and for outings and other recreational activities. A grant is also paid to the North Regional Association for the Deaf in respect of its statistical, co-ordinating, and educational work. The numbers of Cheshire deaf persons on the registers of the Societies are approximately as follows:—

Chester	.....	.....	.....	.....	116
Merseyside	.....	.....	.....	.....	50
Warrington	.....	.....	.....	.....	20
Manchester	.....	.....	.....	.....	177

Other Handicapped Persons

General.

The registers of handicapped persons other than the blind, deaf, and dumb are kept by Divisional Medical Officers. They are limited to persons who wish to receive benefits under the approved scheme. General advice is given on overcoming their handicaps, and on how to obtain such help as is available, either under this scheme or under the hospital, local authority, or other aspects of the National Health Service. One example of help under this scheme is adaptation of premises, inside or outside, to facilitate use of an invalid chair or carriage. Assistance in handicrafts is given when possible, with the co-operation of voluntary bodies. The most prominent example of the Council's help to handicapped persons is, of course, Wrenbury Hall Colony (see Section V).

Statistics.

The number of persons on the above registers were as follows at 31.12.53 :—

M. of L. classification	Definition	No. on Registers		
		Children under 16	Adults	Total
A/E	Amputation	—	19	19
F	Arthritis and Rheumatism	6	84	90
G	Congenital malformations and deformities	16	51	67
H/L	Diseases of the digestive and genito-urinary systems; of the heart or circulatory system; of the respiratory system (other than tuberculosis) and of the skin	62	159	221
Q/T	Injuries of the head, face, neck, thorax, abdomen, pelvis or trunk. Injuries or diseases (other than tuberculosis) of the upper and lower limbs and of the spine	31	39	70
V	Organic nervous diseases— epilepsy, disseminated sclerosis, poliomyelitis, hemiplegia, sciatica, etc.	59	124	183
U/W	Neuroses, psychoses and other nervous and mental disorders not included in V	5	49	54
X	(excluding Mental Deficiency)			
Y	Tuberculosis (respiratory)	85	1,757	1,842
Z	Tuberculosis (non-respiratory)	185	278	463
	Diseases and injuries not specified above	35	44	79
Totals		484	2,604	3,088

Epileptics and Spastics

The number of persons on the Registers are not necessarily the total number of persons so handicapped. In regard to the above two important classes, the following are estimated totals:—

(a) Epileptics		
(i)	Children under 16	120
(ii)	Adults	58
(b) Spastics		
(i)	Children under 16	90
(ii)	Adults	25

Care is taken to ensure that, so far as possible, epileptic and spastic persons receive necessary treatment, education and accommodation and co-ordination is effected when necessary with the residential welfare and the hospital services.

Section XIII. Water Supplies, Sewerage and Sewage Disposal

The period of economic stringency continues to retard the schemes of local authorities.

In the area of the Mid and South-East Cheshire Water Board four unsatisfactory sources of supply are proposed to be abandoned. Powers have been obtained to extract water from the river Dee at Llangollen and convey it to Hurleston, near Nantwich, for treatment. An outline scheme has been submitted to the Ministry.

The original proposal to enlarge the sewage disposal works of Bollington Urban District has now been abandoned. An agreement has been reached for the sewage to be treated at Macclesfield Corporation Sewage Works.

In spite of the efforts of the County Council, Crewe Corporation and Nantwich Rural Council failed to reach agreement on joint works of sewage disposal. Separate schemes for sewage disposal works for the parishes of Haslington and Wistaston have been submitted to the Ministry by the Rural Council. Ministerial decision has not yet been given.

Since the Rural Water Supplies and Sewerage Act, 1944, came into operation a number of water and sewerage schemes have been submitted by Rural Councils to the County Council.

The following schemes were submitted during the current year:—

Macclesfield Rural District. 9,997 yards of water main extensions in the parish of Over Alderley adjoining the north-western boundary of Macclesfield Borough at a cost of £13,336.

Macclesfield Rural District. Works of water supply in the parishes of Adlington, Pott Shrigley, Prestbury and Rainow at a cost of £39,212. These include a pumping station, a reservoir of 136,000 gallons capacity and a chlorination plant at Pott Shrigley Borewell site and 13,440 yards of distribution mains.

Congleton Rural District. Works of sewerage and sewage disposal to serve some thirty houses at Lawton Heath End, Betchton at a cost of £2,520

Tarvin Rural District. Works of sewerage and sewage disposal for the village of Tarvin with a population of 960 at a cost of £50,000.

Inquiries by the Ministry of Housing and Local Government:—

28.1.1953	Bucklow Rural Council	Works of sewerage and sewage disposal in the parish of High Legh at a cost of £8,500.
10.3.1953	Northwich Rural Council	Works of sewerage and sewage disposal in the parish of Barnton at a cost of £47,766.
21.10.1953	Northwich Rural Council	Works of sewerage and sewage disposal in the parish of Oakmere and Delamere (part) at a cost of £24,776.
		Extension to Weaverham Sewage Disposal Works at a cost of £40,180.

All schemes were necessitated by local authority housing development. They are also intended to serve other existing dwelling houses as far as practicable.